

building movement solutions



CONTROL JOINTS, EXPANSION JOINTS & FIRE BARRIERS

technical datasheets catalogue







The EUROCODES

The EN EUROCODES are pan-European design codes comprising 10 design standards, EN 1990 – EN 1999, providing a common approach for the design of buildings and other civil engineering works. They are produced by the European Committee for Standardization, CEN.

The EUROCODES are the recommended means of giving a presumption of conformity with the essential requirements of the Construction Products Directive for products that bear the CE Marking, as well as the preferred reference for technical specifications in public contracts.

The EUROCODES cover the basis of structural design (EN 1990), actions on structures (EN 1991), the design of concrete (EN 1992), steel (EN 1993), composite steel and concrete (EN 1994), timber (EN 1995), masonry (EN 1996) and aluminium (EN 1999) structures, geotechnical design (EN 1997) and the design of structures for earthquake resistance (EN 1998).

The Impact of EUROCODES on Product Evaluation & Design

These design codes have significant impact on product design and assessment in that the Commission Recommendation of 11 December 2003 states that:

- The technical specifications, necessary for the conformity assessment of structural construction products, should refer to calculation methods developed in the Eurocodes.
- The technical specifications for the award of public services and public works contracts for construction products and works are to be defined by reference to national standards implementing European standards.
- The EUROCODES are also to be used for the technical specifications laid out in procurement procedures.

All products within this Handbook have been assessed and designed to meet the requirements of the relevant EUROCODES. Where specific EUROCODES have a bearing upon the design of a product or products the relevant sections are quoted within this TECHNICAL DATASHEET section of the Handbook.

For a more detailed understanding of the relevance of the EUROCODES to the design and assessment of control joints, expansion joints and fire barrier systems described herein, please refer to the APPLICATIONS section of this Handbook.



The APPLICATIONS section of this Handbook covers most of the technical aspects of Vexcolt's expansion joint, control joint, and fire barrier ranges and their use within differing types of building.

The APPLICATIONS section also considers in detail the implications of the EUROCODES in the design and assessment of the control joint, expansion joint and fire barrier products displayed in the TECHNICAL DATASHEET section.

The following TECHNICAL DATASHEET section provides detailed technical information for each of the products within the various groups. These product groups are:

- Micratec: Control joints for floors
- Intratec: Slimline expansion joints for floors
- Maxatec 100: Frame & seal expansion joints for floors, walls and ceilings
- Maxatec 200: Pan and multiple seal expansion joints for floors
- Megatec 300: Centre plate expansion joints for higher load floors, walls & ceilings
- Megatec 400: Pan and seal Pop-up expansion joints for floors, walls and ceilings
- Megatec 500: Pan & seal Pop-up expansion joints for external walls
- Megatec 500: Centre plate & seal expansion joints for external walls
- Megatec 600: Centre plate expansion joints for roofs & parapets
- Flexatec 1000: Multi-purpose UV-resistant seal expansion joint for internal & external floors & walls
- Transatec 1100: Expansion joints for parking decks, roadways, bored tunnel to metro rail station interfaces, aqueducts, canals, bridge decks & reservoirs
- Flexatec 1200: Seal expansion joints for parking decks and other structures supporting passenger vehicles
- Fireflex 2000: Fire barriers for use with expansion joints that extend through fire compartment floors & walls



Key to understanding the suitability of a product for a given application is the Product Overview and Product Detail tables.

The **Product Detail** table always appears on the left hand page and provides greater detail about the individual products within the range.

The **Product Overview** listing is always shown on the right hand page and provides a synopsis of the product range in terms of movement, loading capacity and ability to handle differing levels of traffic. It also indicates the type of finishes (ceramic tiles, natural stone etc) for which the joint system is suitable. The Applications box bottom right highlights typical usage.



Product Detail table

Understanding the Product Detail table is important as it allows the designer to ‘home in’ on products that exactly meets their requirements

Joint Selection Criteria

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions				Product Number
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline A (mm)	Blockout C (mm)	
Floor - Floor	50	± 25	[50]	Group FL4 100kN	Group 6 630kN	38	-	210	310	350-A01-050
	75	± 37	[75]					225	325	350-A01-075
	100	± 50	[100]	Group FL3 69kN	Group 4 300kN			290	390	350-A01-100
	150	± 75	[150]					418	518	350-A01-150

Product Details

The **Joint Selection Criteria** represents details that are critical to aid selection of the correct product:

- Where the joint should be located.
- The nominal width of the expansion gap that the joint is designed to span.
- The amount of movement in + / - values and [total movement] that the joint will accommodate from the nominal gap width.
- Eurocode Load Rating denotes the maximum laden weight of pallet trucks, forklift trucks and passenger and medium vehicles that the joint systems can accommodate as defined within Eurocodes EN-1991-1-1:2002. For heavy road transport vehicles this value is derived from EN-1991-2:2003 and indicates the maximum allowable weight of the vehicle.

The **Product Details** part of the table presents information on the physical characteristics of the product in terms of:

- Height options
- The Visible Profile width of the joint. This is the width of joint that would be visible at the surface of finishes.
- The Blockout width. This is the minimum width of any rebate that would have to be formed to allow installation of the joint system
- The Product Number which is used to pinpoint the selected joint within the range.

Most of the values within the **Product Detail** tables need little or no further explanation however Eurocode loading guidelines specifying differing traffic types may need further exploration.

Product Overview listing

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring Asphalt
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	≤ 1,000 per day
Road Transport load	Group 4: 300kN (≈29.4 tonnes)
Road Transport transits	≤ 100 per day
Pedestrian transits	≥ 25,000 per day
Movement	
Direction	Mult-directional
Max. movement	± 75 (150 mm)
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	75, 100, 150 mm
Height(s)	38 mm
Metal type(s)	6063 T5 or T6 Aluminium
Colour	Mill finish Aluminium
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complimentary Systems

Internal Wall	340-A07/A09	pg 94, 95
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The **Product Synopsis** and **Compatible with** information provides a summary of the product's application and performance in terms of:

- Types of finishes that are best suited to the joint
- Location where the joint is normally installed
- Vehicular loading capacity of the system
- Rated traffic frequency for both vehicles and pedestrians
- Movement capacity of the joint system
- Movement rating in compliance with ASTM E-1399

System options provides details in terms of:

- Expansion gap widths accommodated
- Heights of profile available
- Metals used or available options
- Colour options (if any)
- Fire barriers available
- Waterproofing systems advice
- Assembly options
- Complimentary floor, wall and ceiling products

Types of application / project for which the joint system is suitable for are highlighted in the **Applications** tab.

The Product Overview listing allows the designer to quickly see the range that suits their application best

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

Traffic Types



Understanding the type of traffic that a building will experience is important when it comes to specifying a joint system

The nature of traffic moving over expansion joints can have a significant effect upon their longevity; a joint designed for use in a pedestrian area with low traffic frequency will not survive in a warehouse environment where there are forklift and pallet trucks.

Table 2 : General Vehicle Loading

Classification of the general types of traffic that a building may experience.

Traffic Type	Traffic Description	Gross Load				Wheel		
		kN	Tonnes	kN	Tonnes	mm x mm	Area mm ²	Load kg/mm ²
E2	Shopping cart	0.5	0.05	0.125	0.013	20 x 30	600	0.021
E3	Hospital bed / trolley	2.0	0.20	0.500	0.050	20 x 75	1500	0.033
E4	Delivery carts / Containers	5.0	0.50	1.250	0.125	20 x 75	1500	0.083
E5	Pallet truck, manual	2.0	0.20	0.500	0.050	20 x 75	1500	0.033
E6	Pallet truck, manual	5.0	0.50	1.250	0.125	20 x 75	1500	0.083
E7	Pallet truck, manual / electric	10.0	1.00	2.500	0.250	20 x 75	1500	0.167
E8	Pallet truck, manual / electric	20.0	2.00	5.000	0.500	20 x 75	1500	0.333
E9	Pallet truck, manual / electric	25.0	2.50	6.250	0.625	20 x 75	1500	0.417
E10	Pallet truck, manual / electric	35.0	3.50	8.750	0.875	20 x 75	1500	0.583



Table 3 : Forklift Trucks, Passenger Cars and Medium Vehicles

Traffic Type	Traffic Description	Gross Load		Max. Axle Load		Wheel Load		Wheel Contact Area (mm x mm)
		kN	Tonnes	kN	Tonnes	kN	Tonnes	
F	Passenger Vehicles	30	3.0	20	2.0	10.0	1.0	100 x 100
G	Medium Vehicles	160	16.0	90	9.0	45.0	4.5	200 x 200
FL1	Forklift	31	3.1	26	2.6	13.0	1.3	200 x 200
FL2	Forklift	46	4.6	40	4.0	20.0	2.0	200 x 200
FL3	Forklift	69	6.9	63	6.3	31.5	3.2	200 x 200
FL4	Forklift	100	10.0	90	9.0	45.0	4.5	200 x 200
FL5	Forklift	150	15.0	140	14.0	70.0	7.0	200 x 200
FL6	Forklift	190	19.0	170	17.0	85.0	8.5	200 x 200
CP1	Cherry picker/scissor lift	36	3.6	30	3.0	15.0	1.5	200 x 200

Extracted from Eurocode EN-1991-1-1:2002 'Actions on structures - General actions - densities, self weight, imposed loads for buildings'. This Eurocode details loading from:

- Passenger vehicles $\leq 30\text{kN}$ gross weight (≈ 2.9 tonnes and having ≤ 8 seats not including the driver)
- General medium sized delivery vehicles and buses of $\leq 160\text{kN}$ gross weight (≈ 15.7 tonnes)
- Forklift trucks with gross laden weights ranging from 31kN (≈ 3.0 tonnes) to 190kN (≈ 18.6 tonnes)

Traffic Types

Heavy Road Transport Vehicles

Eurocode EN-1991-2: 2003 'Actions on structures - traffic load on bridges' when used in conjunction with National Annexes gives clear guidelines to the types and configuration of road transport vehicles that are normally permissible within Europe.

Table 4 opposite has been derived from the UK National Annex to EN-1991-2: 2003 and is used in conjunction with Eurocode Fatigue Model 4. These may be regarded as being typical of the configuration and loading from road transport vehicles throughout Europe.

The maximum static tyre loads shown in Table 4 only represent the vertical forces upon the expansion joint. Due consideration must be given to the translation of horizontal forces applied by the vehicle during transit of the joint.

Fatigue Load Model 4 advises that a Dynamic Load Amplification Factor (DLAF) of 1.3 should be applied at expansion joint location [EN-1991-2: 2003, 4.6.1 (6)].

In all cases wheel contact area with the surface of the expansion joint is standardised at 320mm x 220mm.

Table 4 categorises these vehicles by Total Tyre Load value and they are further banded into six groups of similar tyre loading.

Table 4 : Heavy Road Transport Vehicles

Traffic Reference	Chassis Type	Number of Axles	Total Static Vehicle Load kN	Maximum Axle Load kN	Tyre Load		
					Max. Static kN	Amplification kN	Total kN
GROUP 1							
2RL	Rigid	2	30	15	7.5	2.3	9.8
GROUP 2							
4RL	Rigid	4	120	40	10.0	3.0	13.0
2RM	Rigid	3	65	35	15.0	4.5	19.5
GROUP 3							
4AL	Articulated	4	145	50	17.5	5.3	22.8
4AM	Articulated	4	175	55	20.0	6.0	26.0
5AL	Articulated	5	190	60	20.0	6.0	26.0
4RM	Rigid	4	240	80	20.0	6.0	26.0
4AH	Articulated	4	240	80	20.0	6.0	26.0
GROUP 4							
3RM	Rigid	4	145	50	17.5	5.3	22.8
2RH	Rigid	4	175	55	20.0	6.0	26.0
4RH	Rigid	5	190	60	20.0	6.0	26.0
5AM	Articulated	4	240	80	20.0	6.0	26.0
GROUP 5							
3RL	Rigid	3	150	45	30.0	9.0	39.0
3RH	Rigid	3	240	90	30.0	9.0	39.0
GROUP 6							
5AH	Articulated	5	380	100	35.0	10.5	45.5
5AH2	Articulated	5	630	150	37.5	11.3	48.8

Traffic Types



Traffic Frequency : Pedestrians & Design Load

Traffic Frequency relates to the maximum number of passes that a load makes across the expansion joint system per day.

Design loads are divided into four types:

- a) Loading from pedestrian traffic
- b) Loading from general vehicles such as shopping trolleys and hospital equipment
- c) Loading from pallet trucks, forklift trucks, scissor lifts and cherry pickers
- d) Loading from road transport vehicles.

Traffic Frequency has been broken down into 8 groups:

- TF1** ≤ 10 transits per day
- TF2** > 10 ≤ 100 transits per day
- TF3** > 100 ≤ 1,000 transits per day
- TF4** > 1,000 ≤ 2,500 transits per day
- TF5** > 2,500 ≤ 5,000 transits per day
- TF6** > 5,000 ≤ 10,000 transits per day
- TF7** > 10,000 ≤ 25,000 transits per day
- TF8** > 25,000 transits per day

The number of times that a load travels across a jointing system can have significant impact upon the life expectancy of the product

Fire Barriers



It is vitally important that building designers consider placing fire barriers beneath expansion joints where that jointing system breaches fire compartment floors, walls and ceilings.

Expansion Joints are physical breaks in the continuity of construction and, as such, pass through floor, walls and ceilings. In the event of fire these expansion gaps act as a chimney allowing passage of toxic smoke and fire throughout the building.

Where expansion joints pass through compartment floors, walls and ceilings it is important that a suitable fire barrier is installed within the expansion gap. These fire barriers must be able to accommodate the movement that the structure is expected to exhibit while at the same time maintaining the fire integrity of the compartment.

Fire Barriers are rated in the number of minutes' fire proofing integrity that they offer and are grouped into two separate ratings:

FB2 120 minutes fire integrity minimum

FB4 240 minutes fire integrity minimum

Fire Test Certification

Fire barriers are tested and rated to UL 2079 and BS 476. Further details are available in the relevant Technical Datasheets at pp 195 to 201 inclusive or in the APPLICATION section of this Handbook.

Full details and copies of Vexcolt's UL Certification may be found in the Online Certifications Directory at www.ul.com.

Waterproofing



Expansion joints that are used externally and those that are likely to be subjected to 'wet wash-down' such as in manufacturing facilities should be waterproofed.

Some ranges of joints contained in this handbook already incorporate waterproofing features; however other expansion joints such as mechanical systems will require a secondary waterproofing membrane to ensure the watertight integrity of the expansion gap.

Secondary waterproofing generally should comprise a self-adhesive or torch-applied sheet membrane (by others). A membrane that can be bonded and cross linked to the structural waterproofing should be selected as this will provide a fully watertight solution.

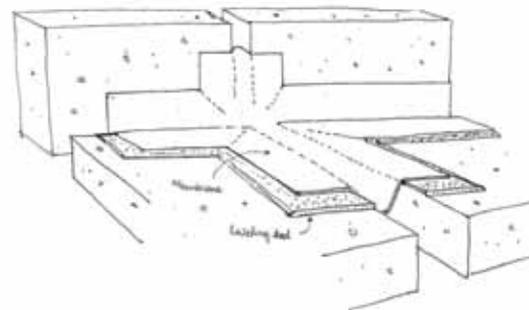
The membrane should be draped into the expansion gap such that it provides sufficient slack to move in response to structural deflection and provision should be made for the drainage of this membrane at the design stage.

The membrane should be laid on top of any levelling bed being used and span all gaps and extend at least 100mm beyond gap arrises.

Membranes should be carried up all upstands and risers and intersections should be formed carefully and tested to ensure watertightness before expansion joints are installed.

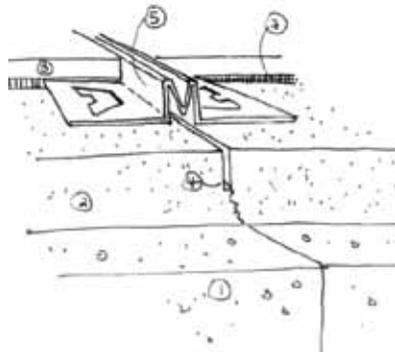
Alternatively a layer of suitable geotextile can be laid on top of which a flexible, rapid set, two part Polyurea spray can be applied. This Polyurea spray should comprise 100% solids which in combination with the geotextile will form a flexible and impenetrable water barrier.

All joints installed on top of membranes should be affixed with resin anchors to ensure that the waterproofing integrity of the membrane is restored.

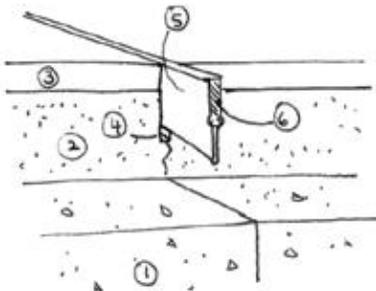


It is essential to waterproof some joints, particularly those that are used in the external envelope of a structure where driven rain and pooling of water are likely

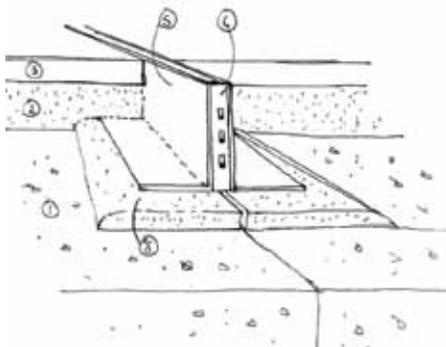




Type 1



Type 2



Type 3

Types of Control Joints for Floors

- Type 1** Control joints installed with finishes/wearing surface laid on a thin bed adhesive 2 to 5mm deep.
- Type 2** Control joints that are compression fitted into a slot or saw-cut formed between finishes/wearing surface.
- Type 3** Control joints that are installed as finishes/wearing surface are being laid on wet screed or sand/cement bed.

Function

Micratec joints are installed in floors to absorb small localised deflections arising from drying shrinkage and thermal gain and loss.

As a general rule, control joints should be installed within internal floors at approximately 6 metre x 6 metre intervals. In addition, control joints should be considered in other locations; for example at perimeters, columns, kerbs, steps, above existing joints within the substrate, at changes of substrate material and doorways. Control joints should also be considered above supporting walls and beams and at the mid point of slab spans where the anticipated deflection is expected to be greater than 20mm.

Control joints should be installed at more frequent intervals where greater temperature variation is expected; for example in external paving and internal radiant heated screeds. In these circumstances, it is generally accepted that control joints should be installed at maximum 3 metre x 3 metre intervals. Wider control joints with greater movement capacity should be considered in applications where ambient temperatures regularly exceed 30°C.

Please contact our Technical Department who will be pleased to help.

Typical Components

- (1) Concrete slab
- (2) Screed or sand/cement bed
- (3) Finishes/wearing surface
- (4) Saw cut
- (5) Metal support frame
- (6) Seal
- (7) Thin-bed adhesive
- (8) Levelling bed

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website - www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website - www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website - www.vexcolt.com/specifications

Installation

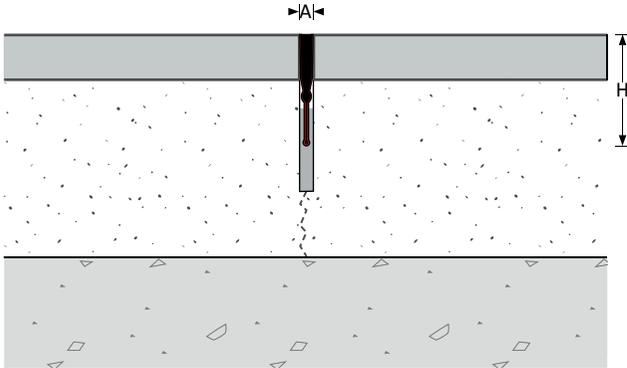
Full installation instructions are available to download from our website - www.vexcolt.com/installation

CONTROL JOINT

Floor to Floor

3 - 7 mm (3/32 - 1/4") Joint Width

Micratec : S



Control Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline A (mm)		Blockout C (mm)
Floor - Floor	-	± 1.0	[2.0]	Group FL6 190kN	Group 6 630kN	25: 50: 75: 100	-	3	-	S-003-(H1)
		± 1.5	[3.0]					5		S-005-(H1)
		± 2.0	[4.0]					7		S-007-(H1)

1. + mm indicates the control joint's capacity to open.
2. - mm indicates the control joint's capacity to close.
3. [Total] shows the total movement range of the control joint from fully open to fully closed.
4. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
5. When specifying or ordering please add the **height (H1)** required to the Product Reference. For example Micratec S-005-050 denotes a control joint 50mm high.
6. When specifying or ordering please select EPDM core colour as black, grey or beige.

CONTROL JOINT

Floor to Floor

3 - 7 mm (3/32 - 1/4") Joint Width

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving

Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Forklift load	Group FL6: 190kN (≈18.6 tonnes)
Forklift transits	≤ 5,000 per day
Road Transport load	Group 6: 630kN (≈61.8 tonnes)
Road Transport transits	≤ 1,000 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal
Max. movement	± 2.0 (4 mm) horizontal

System Options

Sightline width(s)	3, 5, 7 mm
Height(s)	25, 50, 75, 100 mm
Metal type(s)	304-grade Stainless Steel 2B finish
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier	Not applicable
Waterproofing	Not applicable
Pre-assembly in factory	Not applicable



Micratec : S

APPLICATIONS

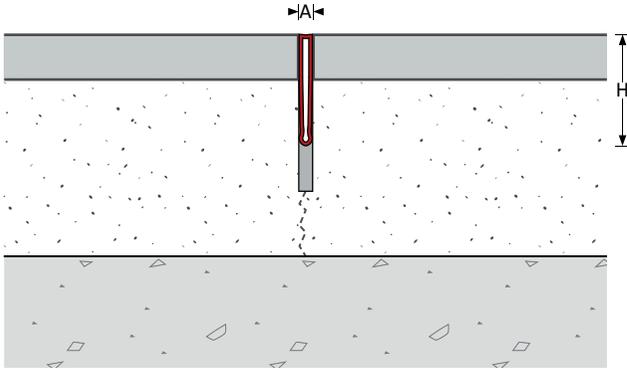
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

CONTROL JOINT

Floor to Floor

3 mm (3/32") Joint Width

Micratec : P



Control Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline A (mm)		Blockout C (mm)
						H1 (mm)	H2 (mm)			
Floor - Floor	-	± 1.0	[2.0]	Group FL1 31kN	-	25: 35: 50	-	3	-	P-003-(H1)

1. + mm indicates the control joint's capacity to open.
2. - mm indicates the control joint's capacity to close.
3. [Total] shows the total movement range of the control joint from fully open to fully closed.
4. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
5. When specifying or ordering please add the **height (H1)** required to the Product Reference. For example P-003-025 denotes a control joint 25mm high.

CONTROL JOINT

Floor to Floor

3 mm (3/32") Joint Width

Compatible with

Concrete	Concrete as a wearing surface
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL1: 31kN (≈3.0 tonnes)
Forklift transits	≤ 100 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 10,000 per day
Movement	
Direction	Horizontal
Max. movement	± 1.0 (2 mm) horizontal

System Options

Sightline width(s)	3 mm
Height(s)	25, 35, 50 mm
Metal type(s)	None
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier	Not applicable
Waterproofing	Not applicable
Pre-assembly in factory	Not applicable



Micratec : P

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
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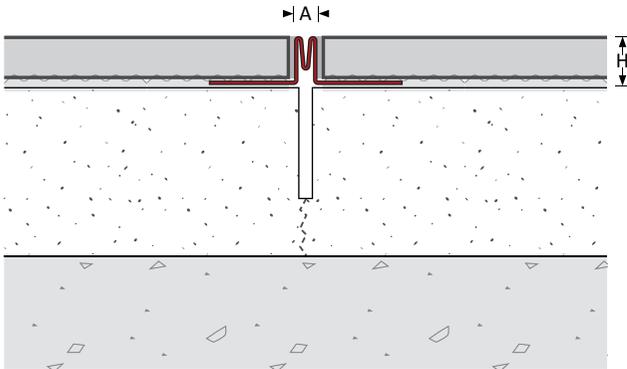
WWW.VEXCOLT.COM

CONTROL JOINT

Floor to Floor

5 - 8 mm (3/16 - 5/16") Joint Width

Micratec : M



Control Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline A (mm)		Blockout C (mm)
Floor - Floor	-	± 1.5	[3.0]	Group FL3 69kN	Group 4 300kN	8: 10: 12	-	5	54	M-005-(H1)
		± 2.5	[5.0]					8	57	M-008-(H1)

1. + mm indicates the control joint's capacity to open.
2. - mm indicates the control joint's capacity to close.
3. [Total] shows the total movement range of the control joint from fully open to fully closed.
4. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
5. When specifying or ordering please add the height (H1) required to the Product Reference. For example M-005-012 denotes a control joint suitable for paving ≤12mm deep laid onto an adhesive bed.
6. As standard this control joint is manufactured from grade-304 stainless steel; optionally it can be manufactured from 316-grade stainless steel at the client's direction.

CONTROL JOINT

Floor to Floor

5 - 8 mm (3/16 - 5/16") Joint Width

Micratec : M

Compatible with

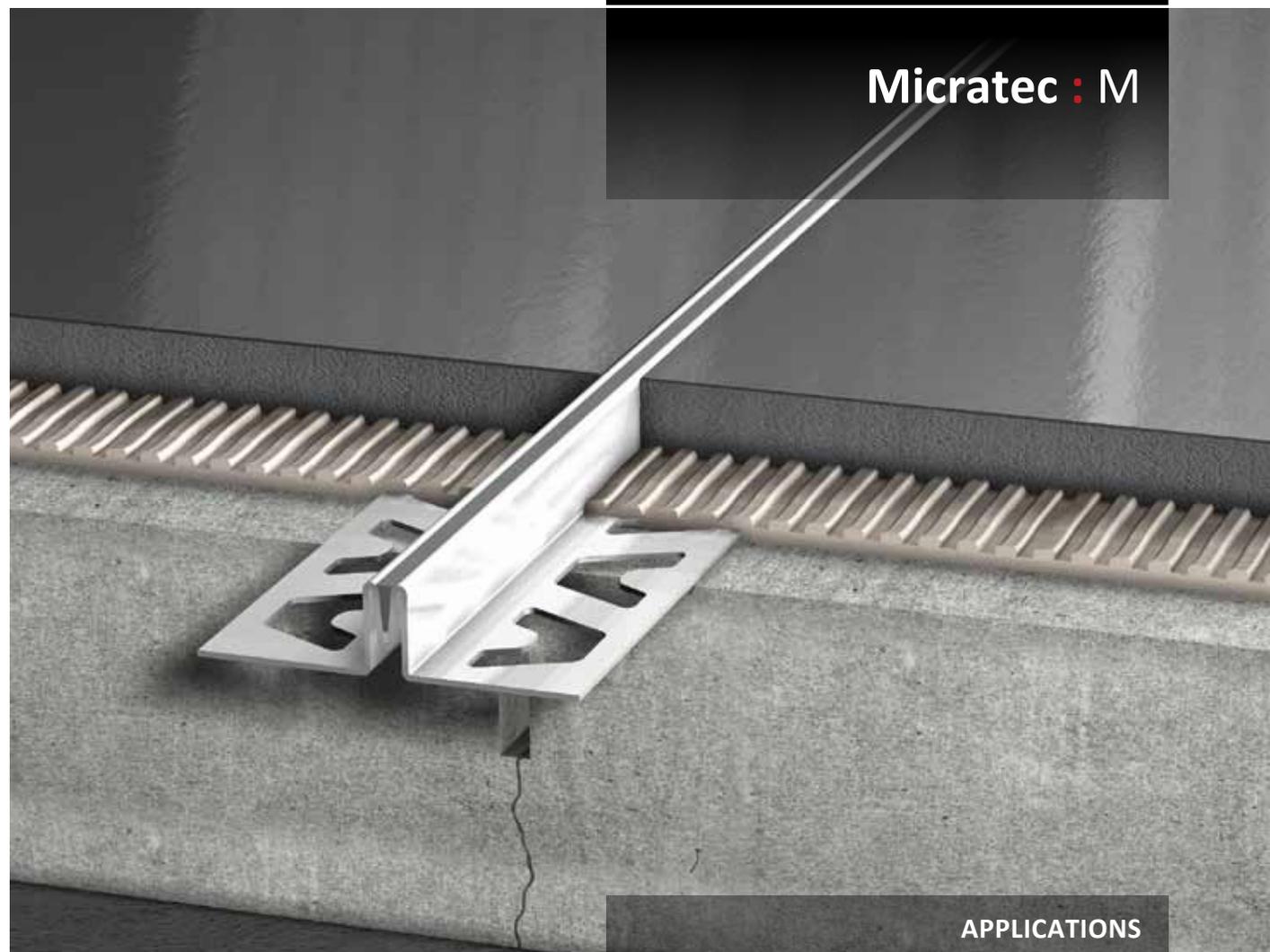
Hard Finishes	Ceramic tiles
	Natural stone
	Pre-polished terrazzo tiles
	Conglomerate paving
Flexible Finishes	Vinyl flooring

Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	≤ 1,000 per day
Road Transport load	Group 4: 300kN (≈29.4 tonnes)
Road Transport transits	≤ 100 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal
Max. movement	± 2.5 (5 mm) horizontal

System Options

Sightline width(s)	5, 8 mm
Height(s)	8, 10, 12 mm
Metal type(s)	304-grade Stainless Steel 2B Finish
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier	Not applicable
Waterproofing	Not applicable
Pre-assembly in factory	Not applicable



APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

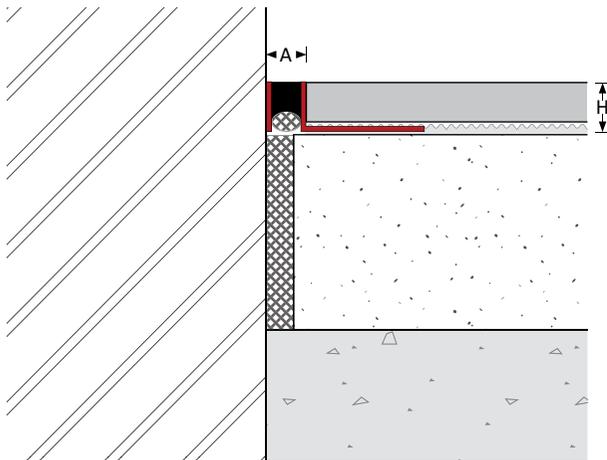
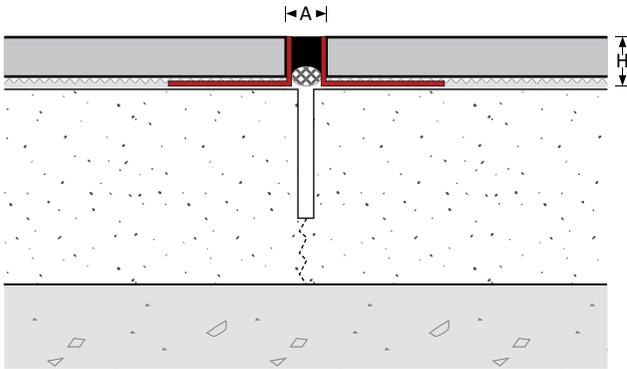
CONTROL JOINT

Floor to Floor

8 - 9 mm (5/16 - 3/8") Joint Width

Micratec : Ti-Lock NA

Micratec : Ti-Lock NP



Control Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions				Product Number
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Thickness T (mm)	Sightline A (mm)	Blockout C (mm)	
Floor - Floor	-	+0.5/-1.5	[2.0]	Group FL6 190kN	Group 6 630kN	8: 10: 12	1.0	8	56	NA-008-(H1)
		+0.5/-1.5	[2.0]				1.5	9	56	NA-009-(H1)
Floor - Wall	-	+0.5/-1.5	[2.0]	Group FL6 190kN	Group 6 630kN	8: 10: 12	1.0	8	32	NP-008-(H1)
		+0.5/-1.5	[2.0]				1.5	9	32	NP-009-(H1)

1. + mm indicates the control joint's capacity to open.
2. - mm indicates the control joint's capacity to close.
3. [Total] shows the total movement range of the control joint from fully open to fully closed.
4. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
5. When specifying or ordering please add the **height (H1)** required to the Product Reference. For example NA-008-010 denotes a control joint suitable for paving ≤10mm deep laid onto an adhesive bed.
6. When specifying or ordering please select metal side plates from aluminium, 304-grade stainless steel, 316-grade stainless steel or brass. Also please select Neoprene core colour as black, grey or beige.

Compatible with

Hard Finishes	Ceramic tiles
	Natural stone
	Pre-polished terrazzo tiles
	Conglomerate paving
Flexible Finishes	Vinyl flooring

Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Forklift load	Group FL6: 190kN (≈18.6 tonnes)
Forklift transits	≤ 5,000 per day
Road Transport load	Group 6: 630kN (≈61.8 tonnes)
Road Transport transits	≤ 100 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal
Max. movement	+0.5/-1.5 (2 mm) horizontal

System Options

Sightline width(s)	8, 9 mm
Height(s)	8, 10, 12 mm
Metal type(s)	304-grade Stainless Steel 2B Finish
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier	Not applicable
Waterproofing	Not applicable
Pre-assembly in factory	Not applicable



Micratec : Ti-Lock NA
Micratec : Ti-Lock NP

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

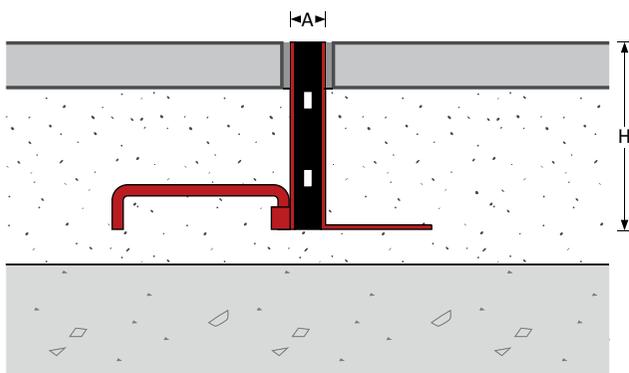
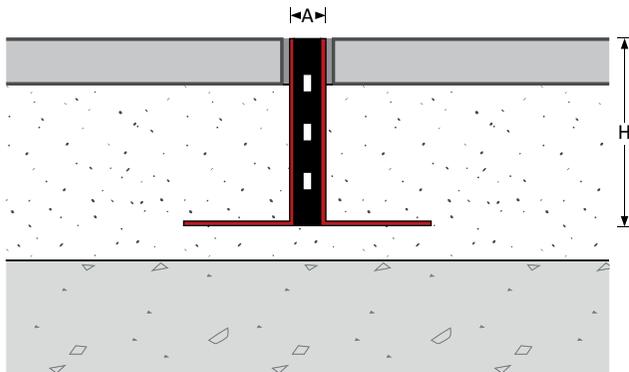
CONTROL JOINT

Floor to Floor

8 - 18 mm (5/16 - 23/32") Joint Width

Micratec : Ti-Lock NL

Micratec : Ti-Lock ND



Control Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions				Product Number
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Thickness T (mm)	Sightline A (mm)	Blockout C (mm)	
Floor - Floor	-	+0.5/-1.5	[2.0]	Group FL6 190kN	Group 6 630kN	22: 30: 42: 55: 70: 90	1.0	8	56	NL-008-(H1)
							1.5	9		NL-009-(H1)
							2.0	10		NL-010-(H1)
							3.0	12		NL-012-(H1)
	+1.0/-3.0	[4.0]	Group FL6 190kN	Group 6 630kN	22: 30: 42: 55: 70: 90	1.0	14	62	NL-014-(H1)	
						1.5	15		NL-015-(H1)	
						2.0	16		NL-016-(H1)	
						3.0	18		NL-018-(H1)	
Floor - Floor	-	+0.5/-1.5	[2.0]	Group FL6 190kN	Group 6 630kN	22: 30: 42: 55: 70: 90	1.0	8	81	ND-008-(H1)
							1.5	9		ND-009-(H1)
							2.0	10		ND-010-(H1)
							3.0	12		ND-012-(H1)
	+1.0/-3.0	[4.0]	Group FL6 190kN	Group 6 630kN	22: 30: 42: 55: 70: 90	1.0	14	87	ND-014-(H1)	
						1.5	15		ND-015-(H1)	
						2.0	16		ND-016-(H1)	
						3.0	18		ND-018-(H1)	

1. + mm indicates the control joint's capacity to open.
2. - mm indicates the control joint's capacity to close.
3. [Total] shows the total movement range of the control joint from fully open to fully closed.
4. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
5. When specifying or ordering please add the height (H1) required to the Product Reference. For example NL-008-055 denotes a control joint 55mm high.
6. When specifying or ordering please select metal side plates from aluminium, 304-grade stainless steel, 306-grade stainless steel or brass. Also please select Neoprene core colour as black, grey or beige.

CONTROL JOINT

Floor to Floor

8 - 18 mm (5/16 - 23/32") Joint Width

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Post-ground terrazzo and natural stone Conglomerate paving

Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Forklift load	Group FL6: 190kN (≈18.6 tonnes)
Forklift transits	≤ 5,000 per day
Road Transport load	Group 6: 630kN (≈61.8 tonnes)
Road Transport transits	≤ 100 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal
Max. movement	+1.0/-3.0 (4 mm) horizontal

System Options

Sightline width(s)	8, 9, 10, 12, 14, 15, 16, 18 mm
Height(s)	22, 30, 42, 55, 70, 90 mm
Metal type(s)	304-grade Stainless Steel 5251 Aluminium CZ 108 Brass
Metal thickness(es)	1.0, 1.5, 2.0, 3.0 mm
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier	Not applicable
Waterproofing	Not applicable
Pre-assembly in factory	Not applicable



Micratec : Ti-Lock NL
Micratec : Ti-Lock ND

APPLICATIONS

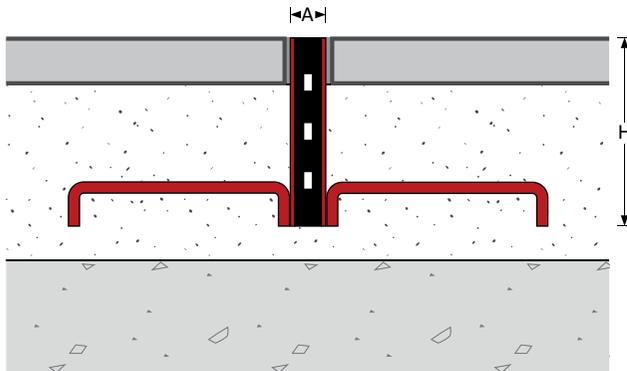
Exhibition Centres | Distribution & Retail Warehouses
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CONTROL JOINT

Floor to Floor

8 - 18 mm (5/16 - 23/32") Joint Width

Micratec : Ti-Lock NS



Control Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions				Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Thickness T (mm)	Sightline A (mm)	Blockout C (mm)		
Floor - Floor	-	+0.5/-1.5	[2.0]	Group FL6 190kN	Group 6 630kN	22: 30: 42: 55: 70: 90	1.0	8	106	NS-008-(H1)	
							1.5	9		NS-009-(H1)	
		2.0	10				NS-010-(H1)				
		3.0	12				NS-012-(H1)				
	+1.0/-3.0	[4.0]						1.0	14	112	NS-014-(H1)
								1.5	15		NS-015-(H1)
								2.0	16		NS-016-(H1)
								3.0	18		NS-018-(H1)

1. + mm indicates the control joint's capacity to open.
2. - mm indicates the control joint's capacity to close.
3. [Total] shows the total movement range of the control joint from fully open to fully closed.
4. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
5. When specifying or ordering please add the **height (H1)** required to the Product Reference. For example NS-012-042 denotes control a joint 42mm high.
6. When specifying or ordering please select metal side plates from aluminium, 304-grade stainless steel, 316-grade stainless steel or brass. Also please select Neoprene core colour as black, grey or beige.

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Post-ground terrazzo and natural stone Conglomerate paving

Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Forklift load	Group FL6: 190kN (≈18.6 tonnes)
Forklift transits	≤ 5,000 per day
Road Transport load	Group 6: 630kN (≈61.8 tonnes)
Road Transport transits	≤ 100 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal
Max. movement	+1.0/-3.0 (4 mm) horizontal

System Options

Sightline width(s)	8, 9, 10, 12, 14, 15, 16, 18 mm
Height(s)	22, 30, 42, 55, 70, 90 mm
Metal type(s)	304-grade Stainless Steel 5251 Aluminium CZ 108 Brass
Metal thickness(es)	1.0, 1.5, 2.0, 3.0 mm
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier	Not applicable
Waterproofing	Not applicable
Pre-assembly in factory	Not applicable



Micratec : Ti-Lock NS

APPLICATIONS

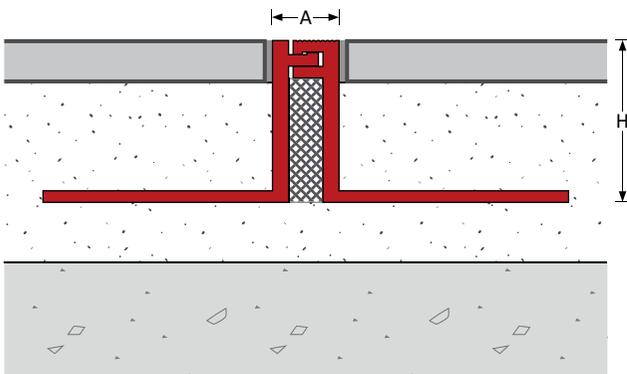
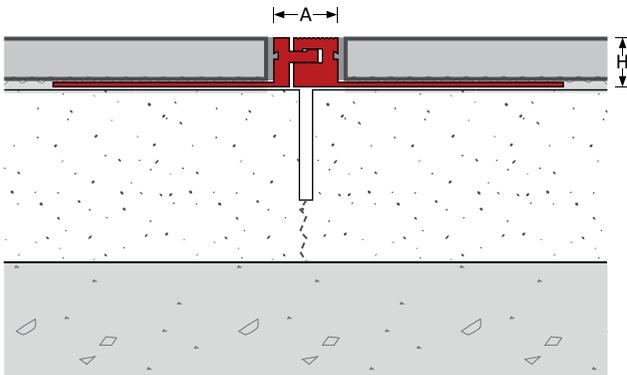
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CONTROL JOINT

Floor to Floor

10 - 20 mm (13/32 - 25/32") Joint Width

Micratec : TA & TB



Control Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline A (mm)		Blockout C (mm)
Floor - Floor	-	± 1.0	[2.0]	Group FL2 46kN	Group 2 120kN	8: 10: 12	-	10	60	TA-010-(H1)
		± 1.5	[3.0]					15	65	TA-015-(H1)
		± 2.5	[5.0]					20	70	TA-020-(H1)
Floor - Floor	-	± 1.0	[2.0]	Group FL2 46kN	Group 2 120kN	25: 35: 50: 75	-	10	110	TB-010-(H1)
		± 1.5	[3.0]					15	115	TB-015-(H1)
		± 2.5	[5.0]					20	120	TB-020-(H1)

1. + mm indicates the control joint's capacity to open.
2. - mm indicates the control joint's capacity to close.
3. [Total] shows the total movement range of the control joint from fully open to fully closed.
4. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
5. When specifying or ordering please add the height (H1) required to the Product Reference. For example TA-015-010 denotes a control joint suitable for paving <10mm deep laid onto an adhesive bed.

CONTROL JOINT

Floor to Floor

10 - 20 mm (13/32 - 25/32") Joint Width

Micratec : TA & TB

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 100 per day
Road Transport load	Group 2: 120kN (≈11.8 tonnes)
Road Transport transits	≤ 100 max per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal
Max. movement	± 2.5 (5 mm) horizontal

System Options

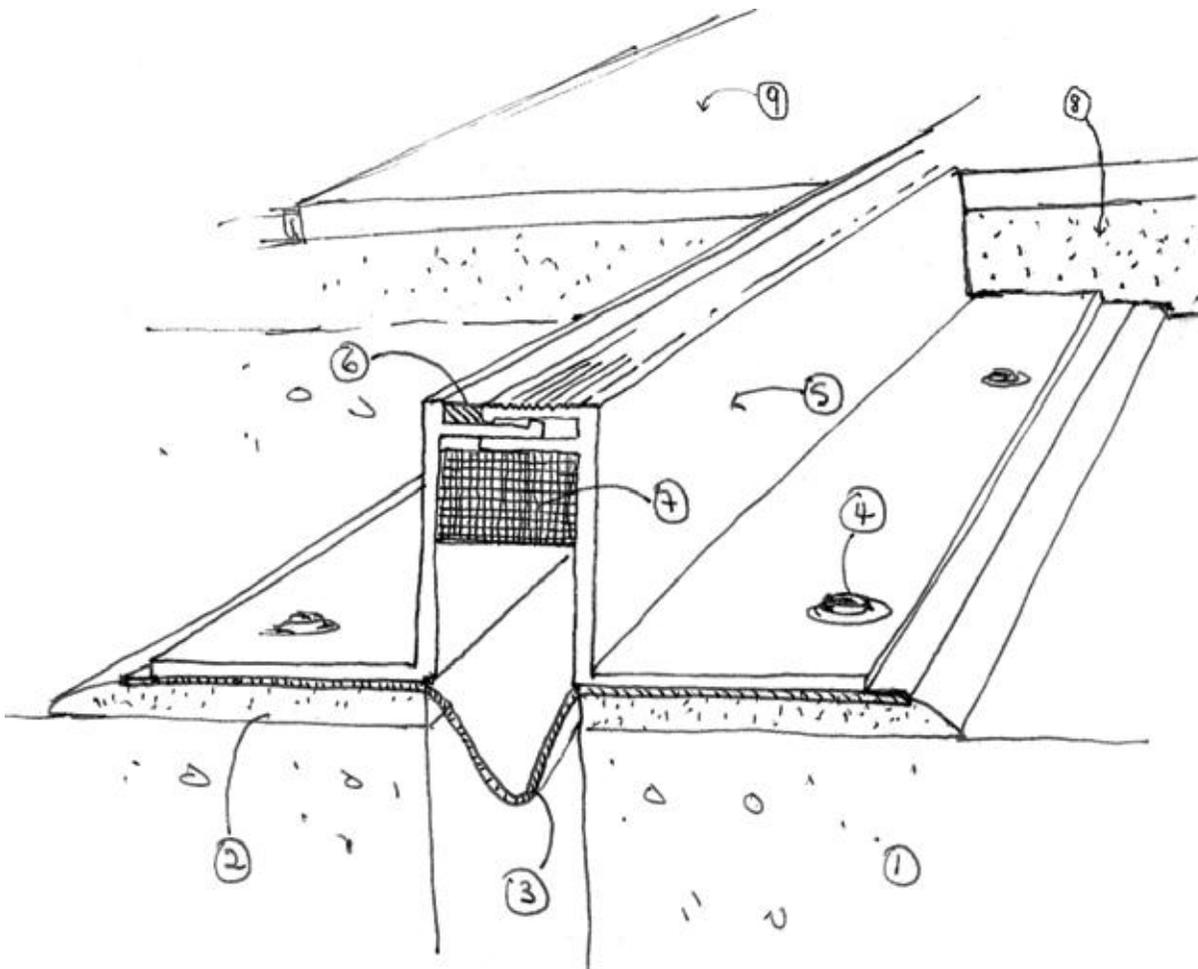
Sightline width(s)	10, 15, 20 mm
Height(s)	8, 10, 12, 25, 35, 50, 75 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier	Not applicable
Waterproofing	Not applicable
Pre-assembly in factory	Not applicable



APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
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Offices & Hotels | Sports Stadiums | Airport Terminals
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Museums | Places of Worship | Shopping Centres





Typical Components

- (1) Concrete slab
- (2) High strength (>40N) levelling bed (by others)
- (3) Optional self-adhesive or torch-applied sheet membrane (by others)
- (4) M6 x 50mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw
- (5) Continuous 6063 Aluminium floor frame
- (6) Sealant seam (by others)
- (7) Continuous bonded closed cell compression foam
- (8) Backfill
- (9) Finishes/wearing surface

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

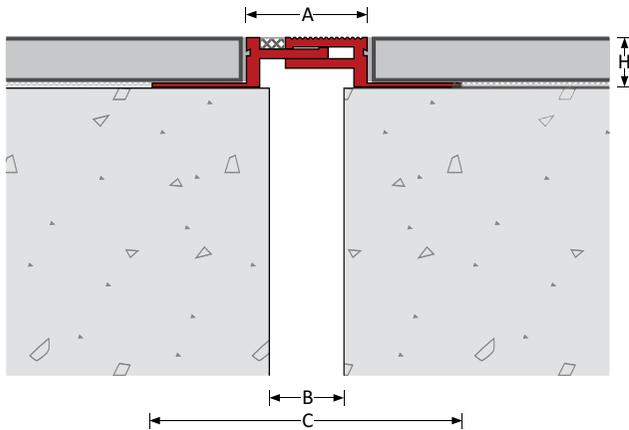
Full installation instructions are available to download from our website – www.vexcolt.com/installation

SLIMLINE EXPANSION JOINT

Floor to Floor

12 - 25 mm (1/2 - 1") Expansion Gaps

Intratec 050 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions				Product Number
		±	[Total]	Forklift Truck *	Road Transport	Height		Sightline	Blockout	
						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	12	± 2.5	[5.0]	Group E6 5kN	-	8: 10: 12	-	20	70	050-A01-012-(H1)
	25	± 5.0	[10.0]					32	82	050-A01-025-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 050-A01-025-010 denotes an expansion joint suitable for use with paving ≤10mm deep laid onto an adhesive bed.

Intratec 050 : A01

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Pallet Truck load	Group E6: 5kN (≈0.5 tonnes)
Pallet Truck transits	≤ 10 per day
Road Transport load	Not applicable
Road Transports transits	Not applicable
Pedestrian transits	≤ 10,000 per day
Movement	
Direction	Horizontal
Max. movement	± 5 (10 mm) horizontal

System Options

Gap width(s)	12, 25 mm
Height(s)	8, 10, 12 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

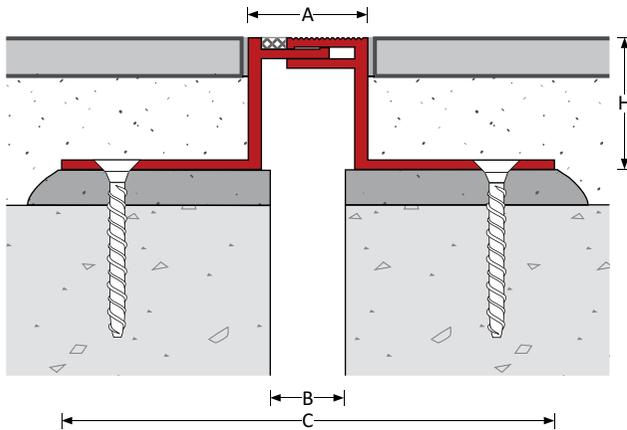
Exhibition Centres | Distribution & Retail Warehouses
 Department Stores | Supermarkets | Educational
 Residential | Factories | Parking | Roads & Bridges
 Offices & Hotels | Sports Stadiums | Airport Terminals
 Rail, Metros & Elevated Rail Stations | Hospitals
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SLIMLINE EXPANSION JOINT

Floor to Floor

12 - 25 mm (1/2 - 1") Expansion Gaps

Intratec 060 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck *	Road Transport	Height		Sightline		Blockout
						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	12	± 2.5	[5.0]	Group FL1 31kN	-	25: 35: 50	-	20	120	060-A01-012-(H1)
	25	± 5.0	[10.0]					32	132	060-A01-025-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 060-A01-025-050 denotes an expansion joint 50mm high.



SLIMLINE EXPANSION JOINT

Floor to Floor

12 - 25 mm (1/2 - 1") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Pallet Truck load	Group FL1: 31kN (≈3.0 tonnes)
Pallet Truck transits	≤ 10 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 10,000 per day
Movement	
Direction	Horizontal
Max. movement	± 5 (10 mm) horizontal

System Options

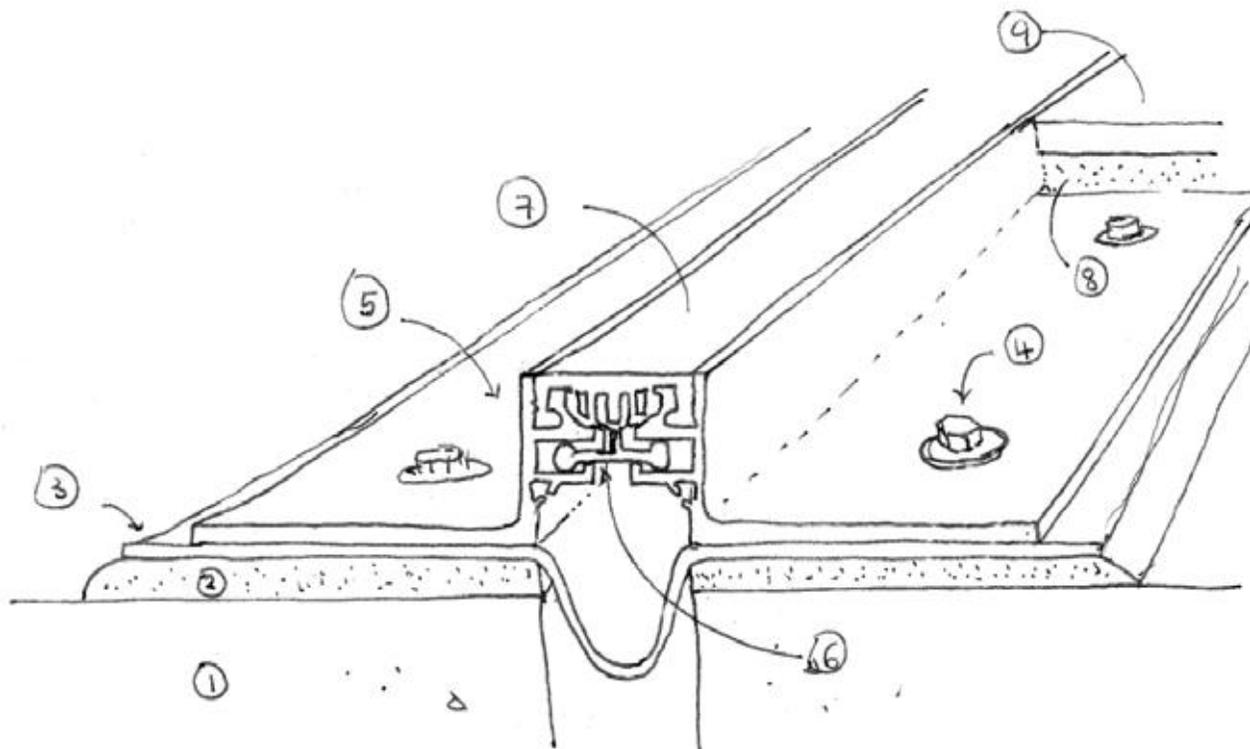
Gap width(s)	12, 25 mm
Height(s)	25, 35, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
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Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres





Typical Components

- (1) Concrete slab
- (2) High strength (>40N) levelling bed (by others)
- (3) Optional self-adhesive or torch-applied sheet membrane (by others)
- (4) M8 x 75mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw
- (5) Continuous 6063 aluminium floor frame
- (6) Continuous 6063 aluminium central support plate
- (7) Continuous coloured TPR Seal
- (8) Backfill
- (9) Finishes/wearing surface

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

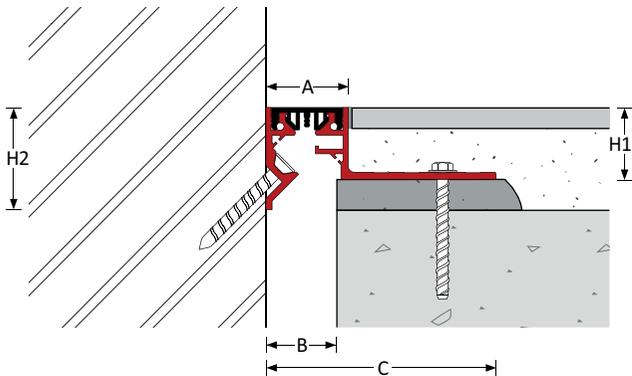
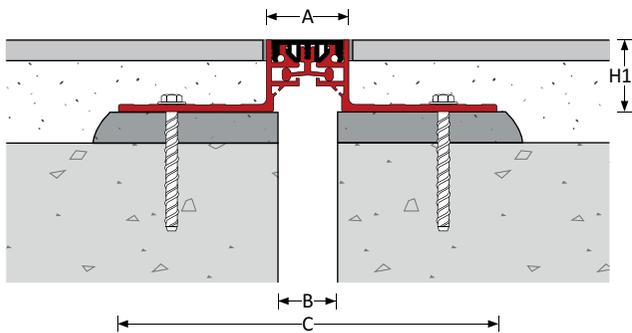
Full installation instructions are available to download from our website – www.vexcolt.com/installation

SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Maxatec 100 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck *	Road Transport	Height		Sightline		Blockout
						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	30	± 5	[10]	Group FL2 46kN	-	25: 35: 50: 70	-	40	185	100-A01-030-(H1)
	50	± 10	[20]					71	216	100-A01-050-(H1)
	75	±15	[30]	Group FL1 31kN				93	238	100-A01-075-(H1)
Floor - Wall	30	± 5	[10]	Group FL2 46kN	-	25: 35: 50: 70	50	40	113	100-A02-030-(H1)
	50	± 10	[20]				71	144	100-A02-050-(H1)	
	75	±15	[30]	Group FL1 31kN			75	93	166	100-A02-075-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 100-A01-030-050 denotes a joint 50mm high.

SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 10 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 25,000 per day
Movement	
Direction	Horizontal, shear & limited vertical
Max. movement	± 15 (30 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	30, 50, 75 mm
Height(s)	25, 35, 50, 70 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	100-A07/A09	pg 56, 57
	150-A07/A09	pg 58, 59
	160-A07/A09	pg 60, 61
	170-A07	pg 62, 63



Maxatec 100 : A01-A02

APPLICATIONS

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Residential | Factories | Parking | Roads & Bridges
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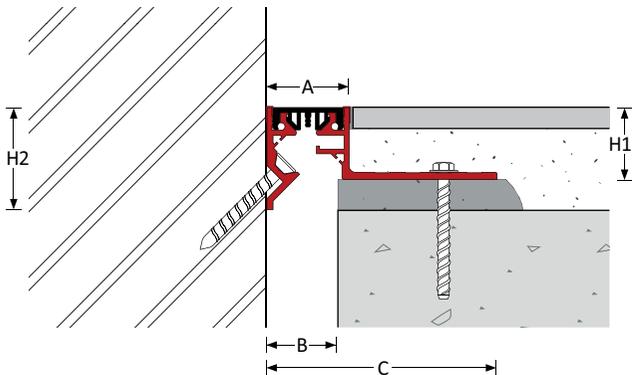
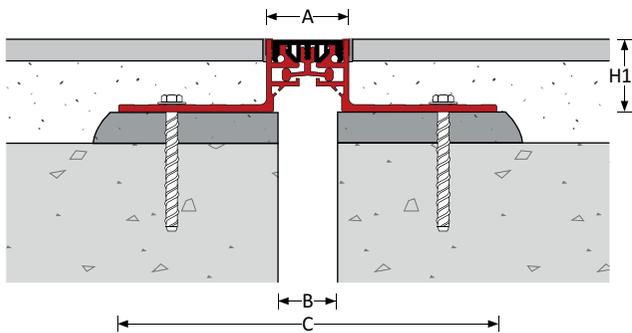
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SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Maxatec 100 : S01-S02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck *	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	30	± 5	[10]	Group FL2 46kN	-	26: 36: 51: 71	-	41	185	100-S01-030-(H1)
	50	± 10	[20]					72	216	100-S01-050-(H1)
	75	±15	[30]	Group FL1 31kN				94	238	100-S01-075-(H1)
Floor - Wall	30	± 5	[10]	Group FL2 46kN	-	26: 36: 51: 71	50	41	113	100-S02-030-(H1)
	50	± 10	[20]				72	144	100-S02-050-(H1)	
	75	±15	[30]	Group FL1 31kN			94	166	100-S02-075-(H1)	

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 100-S01-030-051 denotes an expansion joint 51mm high.



SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 10 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 25,000 per day
Movement	
Direction	Horizontal, shear & limited vertical
Max. movement	± 15 (30 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	30, 50, 75 mm
Height(s)	26, 36, 51, 71 mm
Metal type(s)	6063 T5 & T6 Aluminium 304-grade Stainless Steel cappings
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	100-A07/A09	pg 56, 57
	150-A07/A09	pg 58, 59
	160-A07/A09	pg 60, 61
	170-A07	pg 62, 63



Maxatec 100 : S01-S02

APPLICATIONS

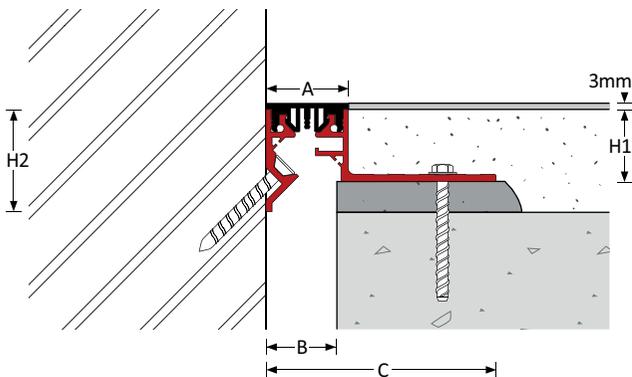
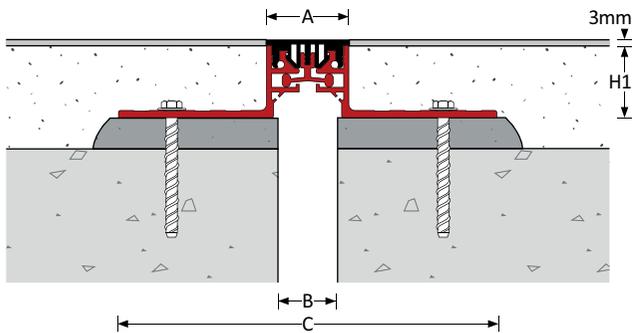
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SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Maxatec 100 : V01-V02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck *	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	30	± 5	[10]	Group FL2 46kN	-	25: 35: 50: 70	-	40	185	100-V01-030-(H1)
	50	± 10	[20]					71	216	100-V01-050-(H1)
	75	±15	[30]	Group FL1 31kN				93	238	100-V01-075-(H1)
Floor - Wall	30	± 5	[10]	Group FL2 46kN	-	25: 35: 50: 70	50	40	113	100-V02-030-(H1)
	50	± 10	[20]				71	144	100-V02-050-(H1)	
	75	±15	[30]	Group FL1 31kN			75	93	166	100-V02-075-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 100-V01-030-035 denotes a joint 35mm high. To accommodate vinyl finishes the thermoplastic rubber insert extends 3mm above the level of the joint frame increasing the overall joint depth to 38mm.

SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Maxatec 100 : V01-V02

Compatible with

Flexible Finishes	Vinyl flooring
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Product Synopsis

Location	Internal floors
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Max Load & Traffic Frequency

Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 10 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 25,000 per day

Movement

Direction	Horizontal, shear & limited vertical
Max. movement	± 15 (30 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway
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System Options

Gap width(s)	30, 50, 75 mm
Height(s)	25, 35, 50, 70 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	100-A07/A09	pg 56, 57
	150-A07/A09	pg 58, 59
	160-A07/A09	pg 60, 61
	170-A07	pg 62, 63



APPLICATIONS

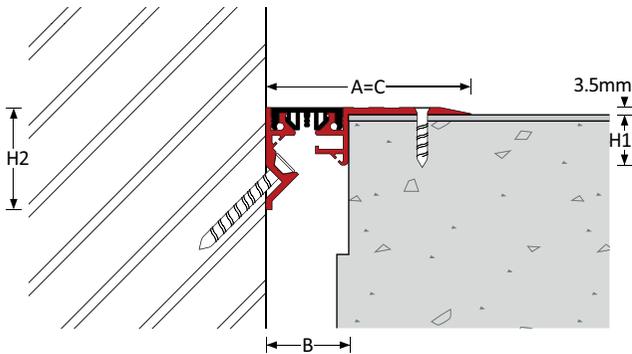
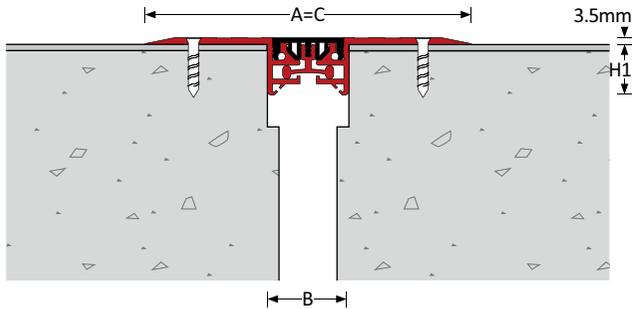
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SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Maxatec 120 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck *	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	30	± 5	[10]	Group FL2 46kN	-	30	-	160	40	120-A01-030
	50	± 10	[20]					191	71	120-A01-050
	75	± 15	[30]	Group FL1 31kN				213	93	120-A01-075
Floor - Wall	30	± 5	[10]	Group FL2 46kN	-	30	50	100	40	120-A02-030
	50	± 10	[20]				131	71	120-A02-050	
	75	± 15	[30]	Group FL1 31kN			153	93	120-A02-075	

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.



SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Maxatec 120 : A01-A02

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Post-ground terrazzo and natural stone Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 10 per day
Road Transport load/transits	Not applicable
Pedestrian transits	≤ 25,000 per day
Movement	Horizontal, shear & limited vertical
Max. movement	± 15 (30 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	30, 50, 75 mm
Height(s)	25 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	100-A07/A09	pg 56, 57
	150-A07/A09	pg 58, 59
	160-A07/A09	pg 60, 61
	170-A07	pg 62, 63



APPLICATIONS

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SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Maxatec 120 : V01-V02

Compatible with

Flexible Finishes	Vinyl flooring
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Product Synopsis

Location	Internal floors
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Max Load & Traffic Frequency

Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 10 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 25,000 per day

Movement

Direction	Horizontal, shear & limited vertical
Max. movement	± 15 (30 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway
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System Options

Gap width(s)	30, 50, 75 mm
Height(s)	25 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	100-A07/A09	pg 56, 57
	150-A07/A09	pg 58, 59
	160-A07/A09	pg 60, 61
	170-A07	pg 62, 63



APPLICATIONS

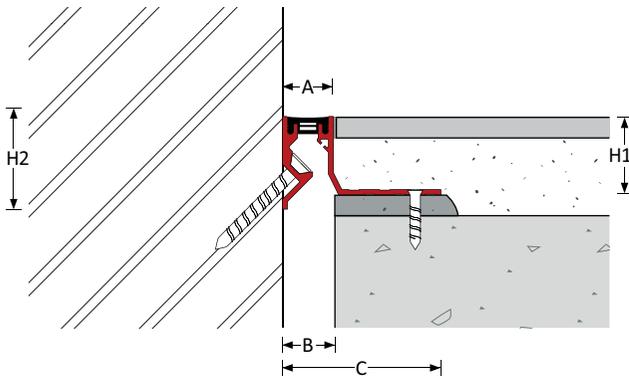
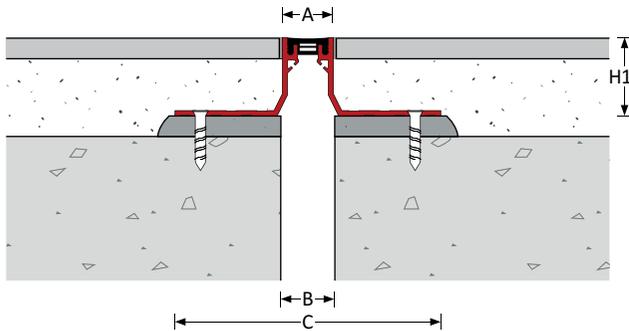
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SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 50 mm (1 - 2") Expansion Gaps

Maxatec 130 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck *	Road Transport	Height		Sightline		Blockout
						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	25	± 5	[10]	Group FL1 31kN	-	25: 50: 75	-	25	130	130-A01-025-(H1)
	50	± 10	[20]					50	155	130-A01-050-(H1)
Floor - Wall	25	± 5	[10]	Group FL1 31kN	-	25: 50: 75	45	25	85	130-A02-025-(H1)
	50	± 10	[20]					50	110	130-A02-050-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 130-A01-025-025 denotes a joint 25mm high.

SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 50 mm (1 - 2") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Post-ground terrazzo and natural stone Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL1: 31kN (≈3.0 tonnes)
Forklift transits	≤ 10 per day
Road Transport load/transits	Not applicable
Pedestrian transits	≤ 25,000 per day
Movement	Horizontal, shear & limited vertical
Max. movement	± 10 (20 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50 mm
Height(s)	25, 50, 75 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	100-A07/A09	pg 56, 57
	150-A07/A09	pg 58, 59
	160-A07/A09	pg 60, 61
	170-A07	pg 62, 63



Maxatec 130 : A01-A02

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
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Offices & Hotels | Sports Stadiums | Airport Terminals
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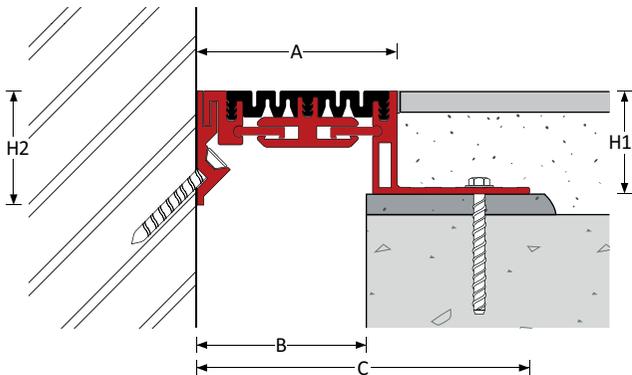
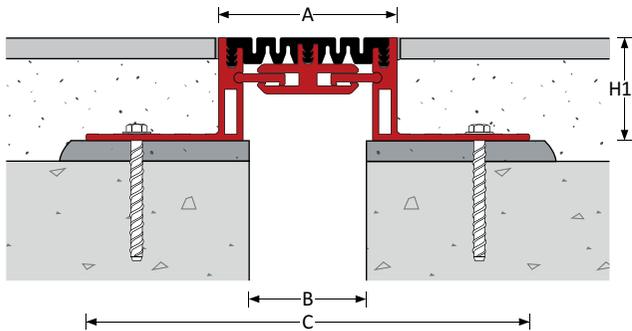
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SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 100 mm (1 - 4") Expansion Gaps

Maxatec 140 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck *	Road Transport	Height		Sightline		Blockout
						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	25	± 6	[12]	Group FL2 46kN	-	25: 35: 50	-	70	206	140-A01-025-(H1)
	50	± 12	[25]					87	229	140-A01-050-(H1)
	75	± 20	[40]	Group FL1 31kN				111	255	140-A01-075-(H1)
	100	± 25	[50]					136	280	140-A01-100-(H1)
Floor - Wall	25	± 6	[12]	Group FL2 46kN	-	25: 35: 50	65	80	148	140-A02-025-(H1)
	50	± 12	[25]					97	165	140-A02-050-(H1)
	75	± 20	[40]	Group FL1 31kN				121	180	140-A02-075-(H1)
	100	± 25	[50]					146	215	140-A02-100-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 140-A01-075-035 denotes a joint 35mm high.

SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 100 mm (1 - 4") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Post-ground terrazzo and natural stone Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 100 per day
Road Transport load/transits	Not applicable
Pedestrian transits	> 25,000 per day
Movement	Horizontal, shear and vertical
Max. movement	± 25 (50mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50, 75, 100 mm
Height(s)	25, 35, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	100-A07/A09	pg 56, 57
	150-A07/A09	pg 58, 59
	160-A07/A09	pg 60, 61
	170-A07	pg 62, 63



Maxatec 140 : A01-A02

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

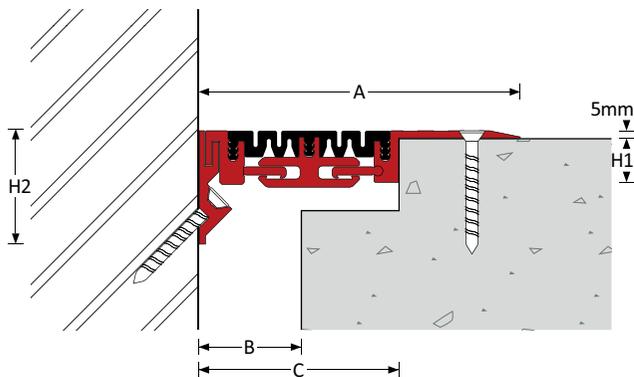
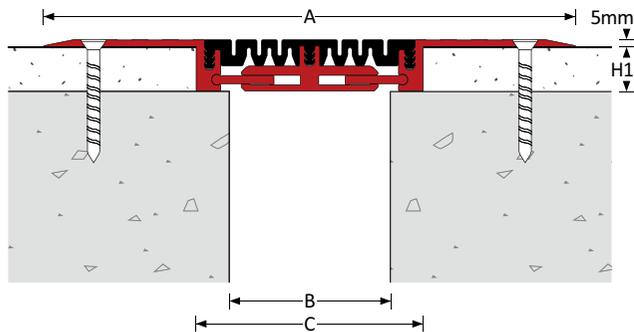
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SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 100 mm (1 - 4") Expansion Gaps

Maxatec 150 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck *	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	25	± 6	[12]	Group FL2 46kN	-	25	-	189	70	150-A01-025
	50	± 12	[25]					206	87	150-A01-050
	75	± 20	[40]	Group FL1 31kN				230	111	150-A01-075
	100	± 25	[50]					255	136	150-A01-100
Floor - Wall	25	± 6	[12]	Group FL2 46kN	-	25	55	139	80	150-A02-025
	50	± 12	[25]					157	97	150-A02-050
	75	± 20	[40]	Group FL1 31kN				180	121	150-A02-075
	100	± 25	[50]					206	146	150-A02-100

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

SINGLE-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 100 mm (1 - 4") Expansion Gaps

Maxatec 150 : A01-A02

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Post-ground terrazzo and natural stone Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 100 per day
Road Transport load/transits	Not applicable
Pedestrian transits	> 25,000 per day
Movement	Horizontal, shear and vertical
Max. movement	± 25 (50 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50, 75, 100 mm
Height(s)	25 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	100-A07/A09	pg 56, 57
	150-A07/A09	pg 58, 59
	160-A07/A09	pg 60, 61
	170-A07	pg 62, 63



APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

Typical Components

- (1) Wall
- (2) Continuous 6063 aluminium wall frame
- (3) M5 x 25mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw
- (4) Continuous coloured TPR Seal
- (5) Finishes

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

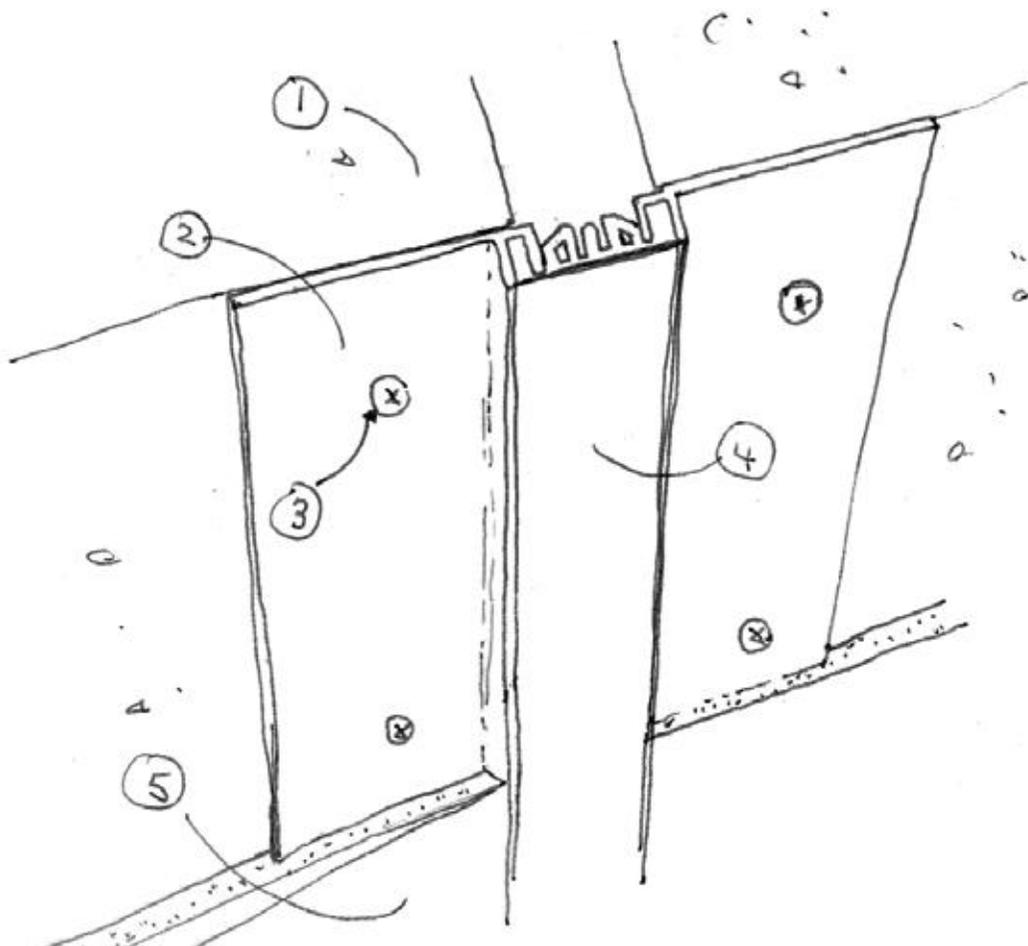
Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

Full installation instructions are available to download from our website – www.vexcolt.com/installation

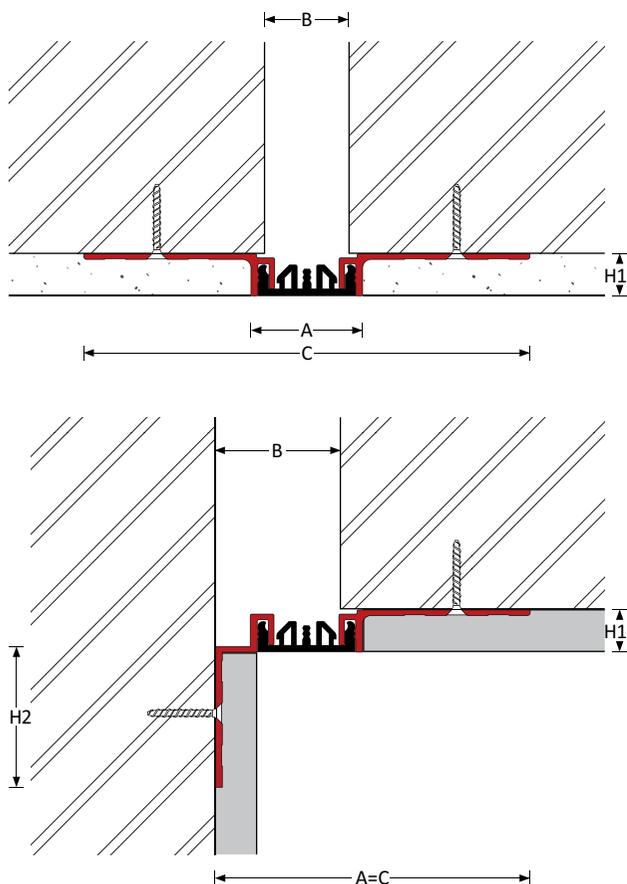


SINGLE-SEAL EXPANSION JOINT

Wall to Wall | Wall to Ceiling

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Maxatec 100 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number		
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)					
Wall - Wall	30	± 5	[10]	-	-	10: 15: 25	-	40	160	100-A07-030-(H1)		
	50	± 10	[20]					71	191	100-A07-050-(H1)		
	75	± 15	[30]					93	213	100-A07-075-(H1)		
Corner Wall Wall - Ceiling	30	± 5	[10]	-	-	10: 15: 25	61	38	108	100-A09-030-010		
									113	100-A09-030-015		
									123	100-A09-030-025		
	50	± 10	[20]					10	139	100-A09-050-010		
									144	100-A09-050-015		
									154	100-A09-050-025		
	75	± 15	[30]					10	15	91	161	100-A09-075-010
											166	100-A09-075-015
											176	100-A09-075-025

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 100-A07-030-015 denotes a joint 15mm high.

SINGLE-SEAL EXPANSION JOINT

Wall to Wall | Wall to Ceiling

30 - 75 mm (1 1/4 - 3") Expansion Gaps

Maxatec 100 : A07-A09

Compatible with

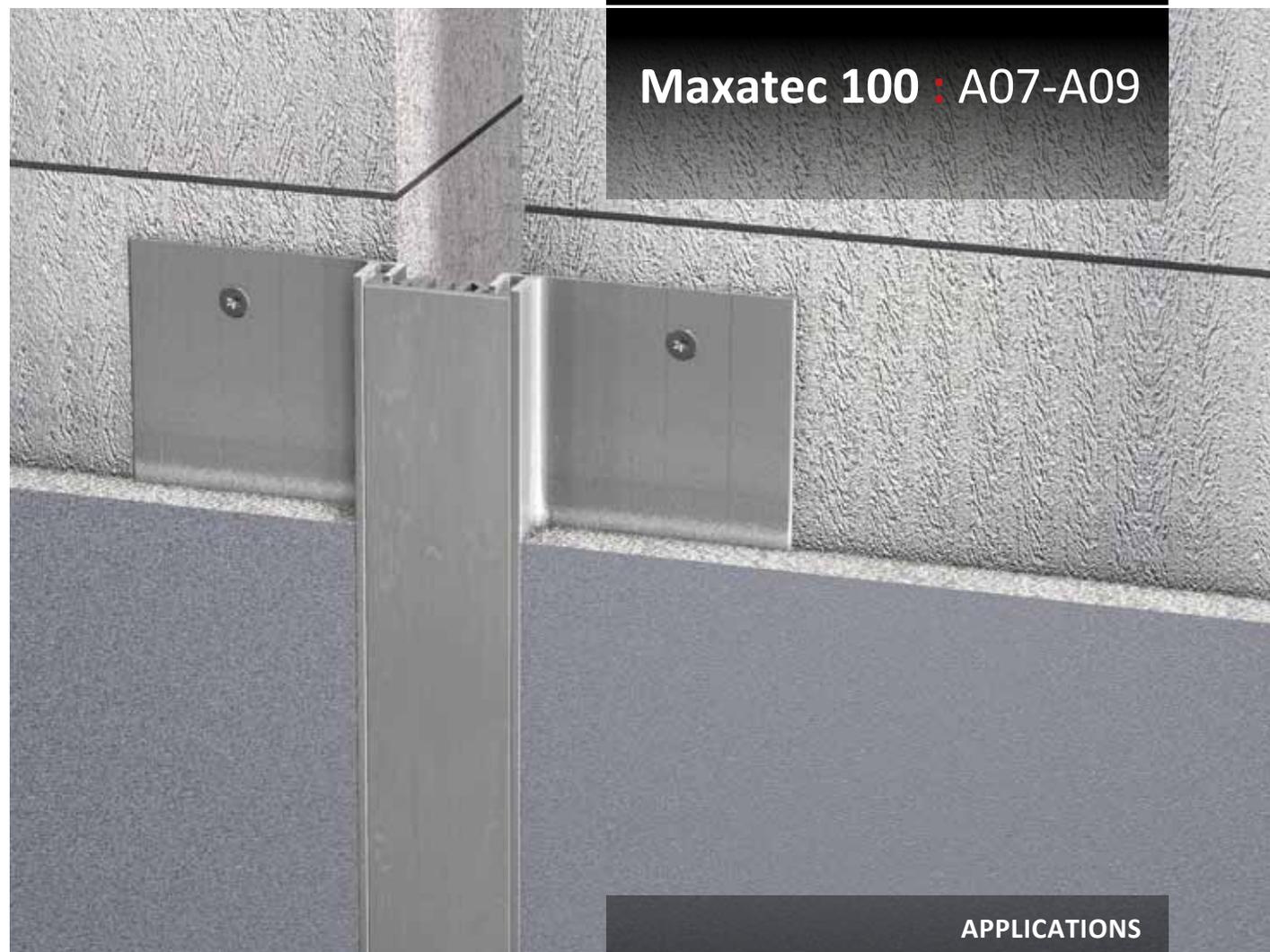
Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal, shear and vertical
Max. movement	± 15 (30 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	30, 50, 75 mm
Height(s)	10, 15, 25 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

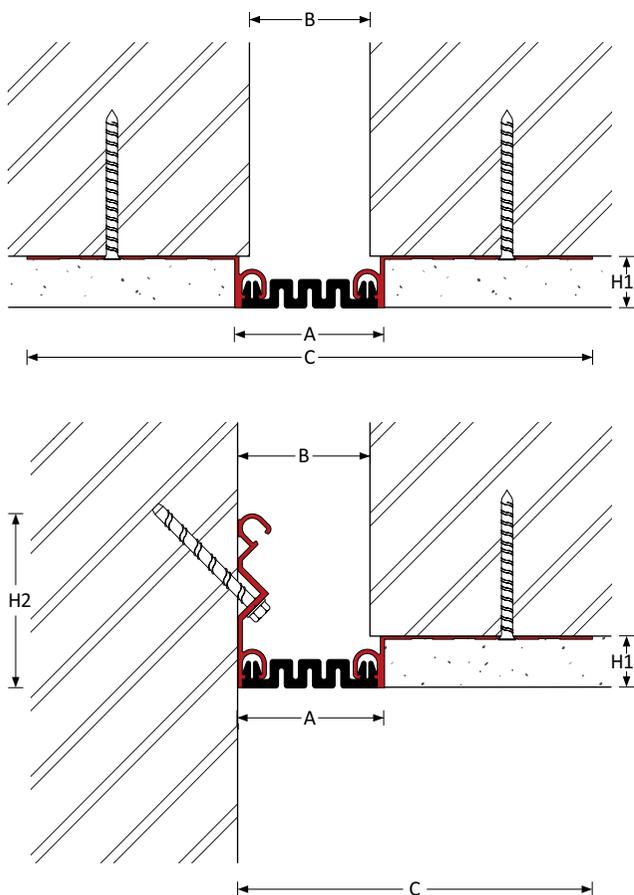
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
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Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

SINGLE-SEAL EXPANSION JOINT

Wall to Wall | Corner Wall

25 - 150 mm (1 - 6") Expansion Gaps

Maxatec 140 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Wall - Wall	25	± 12	[25]	-	-	15: 18	-	25	175	140-A07-025-(H1)
	50	± 25	[50]					50	200	140-A07-050-(H1)
	75	± 37	[75]					75	226	140-A07-075-(H1)
	100	± 50	[100]					100	251	140-A07-100-(H1)
	150	± 75	[150]					150	302	140-A07-150-(H1)
Corner Wall	25	± 12	[25]	-	-	15: 18	61	25	100	140-A09-025-(H1)
	50	± 25	[50]					50	125	140-A09-050-(H1)
	75	± 37	[75]					75	151	140-A09-075-(H1)
	100	± 50	[100]					100	176	140-A09-100-(H1)
	150	± 75	[150]					150	227	140-A09-150-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 140-A07-075-018 denotes a joint 18mm high.

SINGLE-SEAL EXPANSION JOINT

Wall to Wall | Corner Wall

25 - 150 mm (1 - 6") Expansion Gaps

Maxatec 140 : A07-A09

Compatible with

Wall Finishes	Drywall
	Plaster
	Render
	Paint finishes
	Ceramic tiles
	Natural stone

Product Synopsis

Location	Internal walls
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Max Load & Traffic Frequency

Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable

Movement

Direction	Horizontal, shear and vertical
Max. movement	± 75 (150 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal
	Class II : Wind Sway
	Class III : Seismic

System Options

Gap width(s)	25, 50, 75, 100, 150 mm
Height(s)	15, 18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021)
	Grey (RAL 7038)
	Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

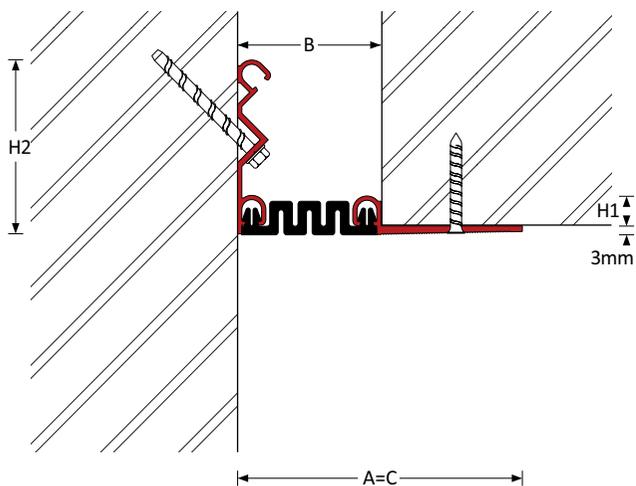
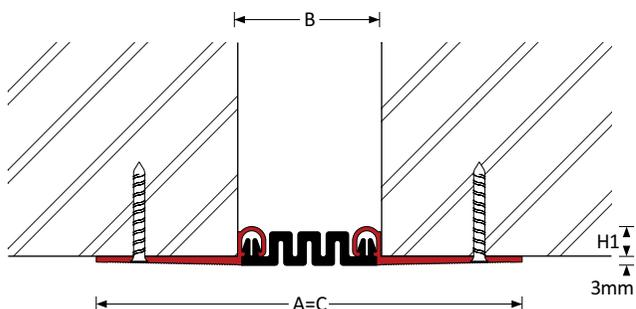
Exhibition Centres | Distribution & Retail Warehouses
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SINGLE-SEAL EXPANSION JOINT

Wall to Wall | Corner Wall

25 - 150 mm (1 - 6") Expansion Gaps

Maxatec 150 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Wall - Wall	25	± 12	[25]	-	-	3	-	176	176	150-A07-025
	50	± 25	[50]					201	201	150-A07-050
	75	± 37	[75]					227	227	150-A07-075
	100	± 50	[100]					252	252	150-A07-100
	150	± 75	[150]					303	303	150-A07-150
Corner Wall	25	± 12	[25]	-	-	3	61	101	101	150-A09-025
	50	± 25	[50]					126	126	150-A09-050
	75	± 37	[75]					152	152	150-A09-075
	100	± 50	[100]					177	177	150-A09-100
	150	± 75	[150]					228	228	150-A09-150

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

SINGLE-SEAL EXPANSION JOINT

Wall to Wall | Corner Wall

25 - 150 mm (1 - 6") Expansion Gaps

Maxatec 150 : A07-A09

Compatible with

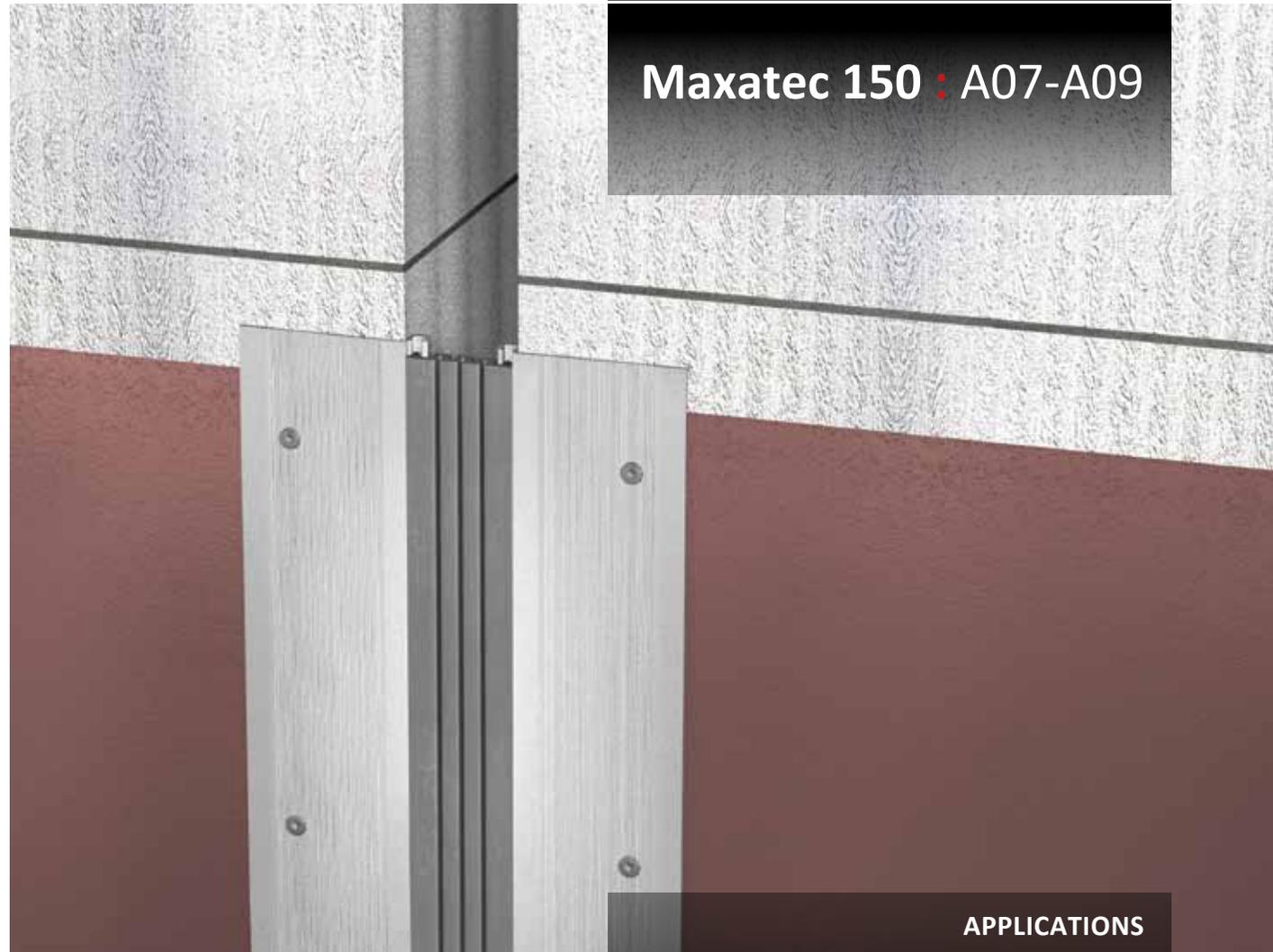
Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal, shear and vertical
Max. movement	± 75 (150 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	25, 50, 75, 100, 150 mm
Height(s)	9/61 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
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Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

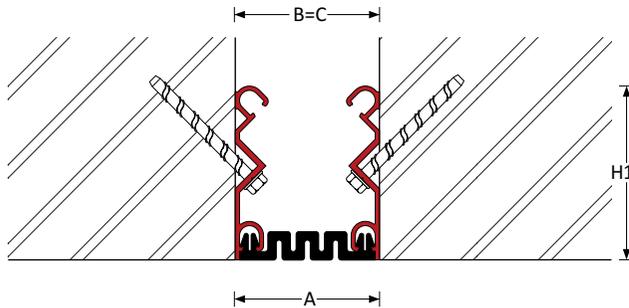
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SINGLE-SEAL EXPANSION JOINT

Wall to Wall

50 - 150 mm (2 - 6") Expansion Gaps

Maxatec 160 : A07



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Wall - Wall	50	± 25	[50]	-	-	61	-	50	-	160-A07-050
	75	± 37	[75]					75		160-A07-075
	100	± 50	[100]					100		160-A07-100
	150	± 75	[150]					150		160-A07-150

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

Maxatec 160 : A07

Compatible with

Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal, shear and vertical
Max. movement	± 75 (150 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

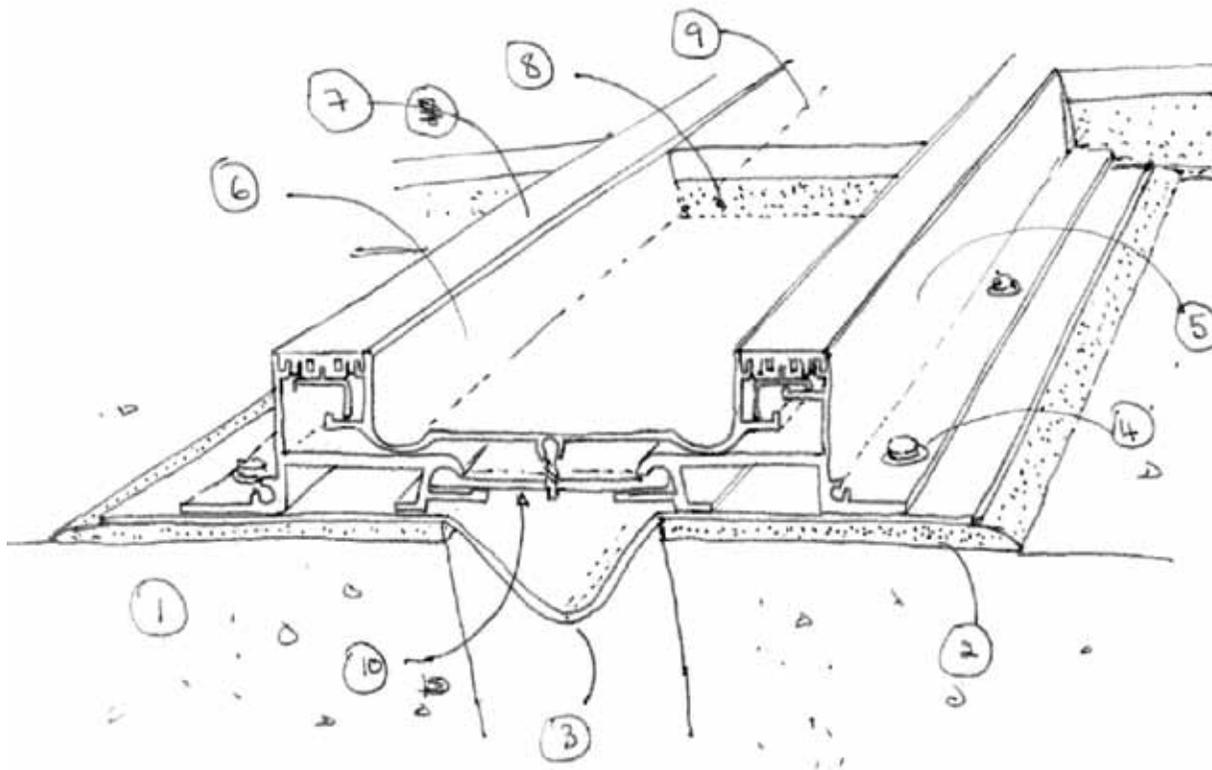
Gap width(s)	30, 50, 75, 100, 150 mm
Height(s)	61 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
 Department Stores | Supermarkets | Educational
 Residential | Factories | Parking | Roads & Bridges
 Offices & Hotels | Sports Stadiums | Airport Terminals
 Rail, Metros & Elevated Rail Stations | Hospitals
 Museums | Places of Worship | Shopping Centres





Typical Components

- (1) Concrete slab
- (2) High strength (>40N/mm²) levelling bed (by others)
- (3) Optional self-adhesive or torch-applied sheet membrane (by others)
- (4) M8 x 75mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw
- (5) Continuous 6063 aluminium floor frame
- (6) Continuous 6063 aluminium central pan
- (7) Continuous coloured TPR Seal
- (8) High strength (>60N/mm²) epoxy mortar bed (by others)
- (9) Finishes/wearing surfaces
- (10) Centering bar
- (11) D49/D98 reinforcing mesh or equivalent (by others)

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

Full installation instructions are available to download from our website – www.vexcolt.com/installation

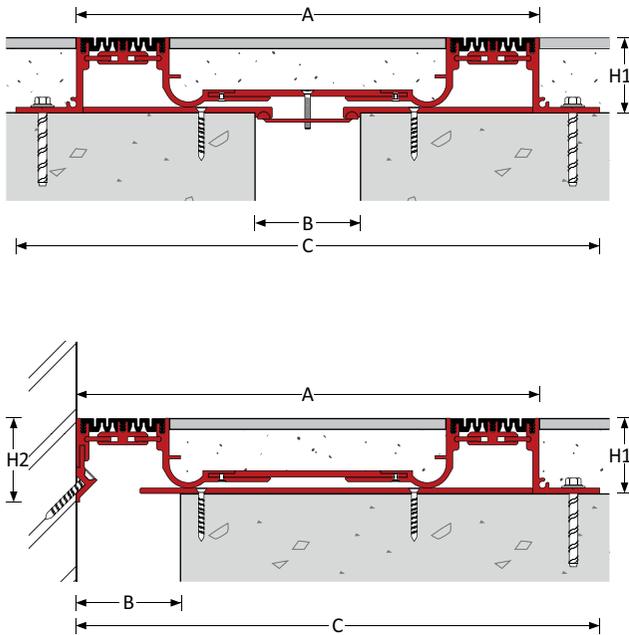
MULTI-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

50 - 200 mm (2 - 8") Expansion Gaps

Maxatec 200 : A01-A02

Maxatec 210 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Floor - Floor	50	± 12	[25]	Group FL2 46kN	-	50: 70	-	70	464	200-A01-050-(H1)
	75	± 18	[37]					87	537	200-A01-075-(H1)
	100	± 25	[50]					87	570	200-A01-100-(H1)
	150	± 37	[75]					111	680	200-A01-150-(H1)
	200	± 50	[100]					136	790	200-A01-200-(H1)
Floor - Wall	50	± 12	[25]	Group FL2 46kN	-	50: 70	-	70	395	200-A02-050-(H1)
	75	± 18	[37]					87	468	200-A02-075-(H1)
	100	± 25	[50]					87	493	200-A02-100-(H1)
	150	± 37	[75]					111	605	200-A02-150-(H1)
	200	± 50	[100]					136	715	200-A02-200-(H1)
Floor - Floor	50	± 25	[50]	Group FL2 46kN	-	50: 70	-	87	487	210-A01-050-(H1)
	75	± 35	[75]					111	587	210-A01-075-(H1)
	100	± 50	[100]					136	722	210-A01-100-(H1)
Floor - Wall	50	± 25	[50]	Group FL2 46kN	-	50: 70	-	87	430	210-A02-050-(H1)
	75	± 35	[75]					111	530	210-A02-075-(H1)
	100	± 50	[100]					136	665	210-A02-100-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 200-A01-100-050 denotes a joint 50mm deep sufficient for use with paving up to 20mm deep. For paving up to 30mm deep an overall joint height of 70mm is required.



MULTI-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

50 - 200 mm (2 - 8") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 100 max per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal, shear & limited vertical
Max. movement	± 50 (100 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	50, 75, 100, 150, 200 mm
Height(s)	50, 70 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Maxatec 200 : A01-A02

Maxatec 210 : A01-A02

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
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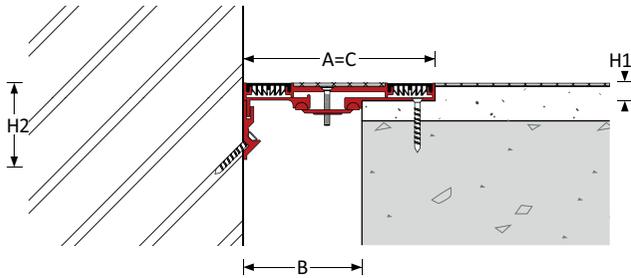
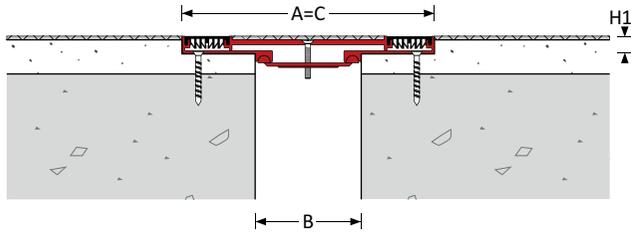
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MULTI-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall

100 - 150 mm (4 - 6") Expansion Gaps

Maxatec 220 : V01-V02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	100	± 25	[50]	-	-	16	-	50	237	220-V01-100
	150								289	220-V01-150
Floor - Wall	100	± 25	[50]	-	-	16	70	50	180	220-V02-100
	150								220	220-V02-150

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

MULTI-SEAL EXPANSION JOINT

Floor to Floor | Floor to Wall
100 - 150 mm (4 - 6") Expansion Gaps

Compatible with

Flexible Finishes	Vinyl flooring
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Product Synopsis

Location	Internal floors
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Max Load & Traffic Frequency

Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 5,000 per day

Movement

Direction	Horizontal, shear & limited vertical
Max. movement	± 25 (50 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway
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System Options

Gap width(s)	100, 150 mm
Height(s)	16 mm
Metal Type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Maxatec 220 : V01-V02

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
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Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres



Typical Components

- (1) Concrete slab
- (2) High strength (>40N) levelling bed (by others)
- (3) Optional self-adhesive or torch-applied sheet membrane (by others)
- (4) M8 x 75mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw
- (5) Continuous 6063 aluminium floor frame
- (6) Continuous 6063 aluminium female central load plate
- (7) Continuous 6063 aluminium male central load plate
- (8) Backfill
- (9) Finishes/wearing surfaces

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

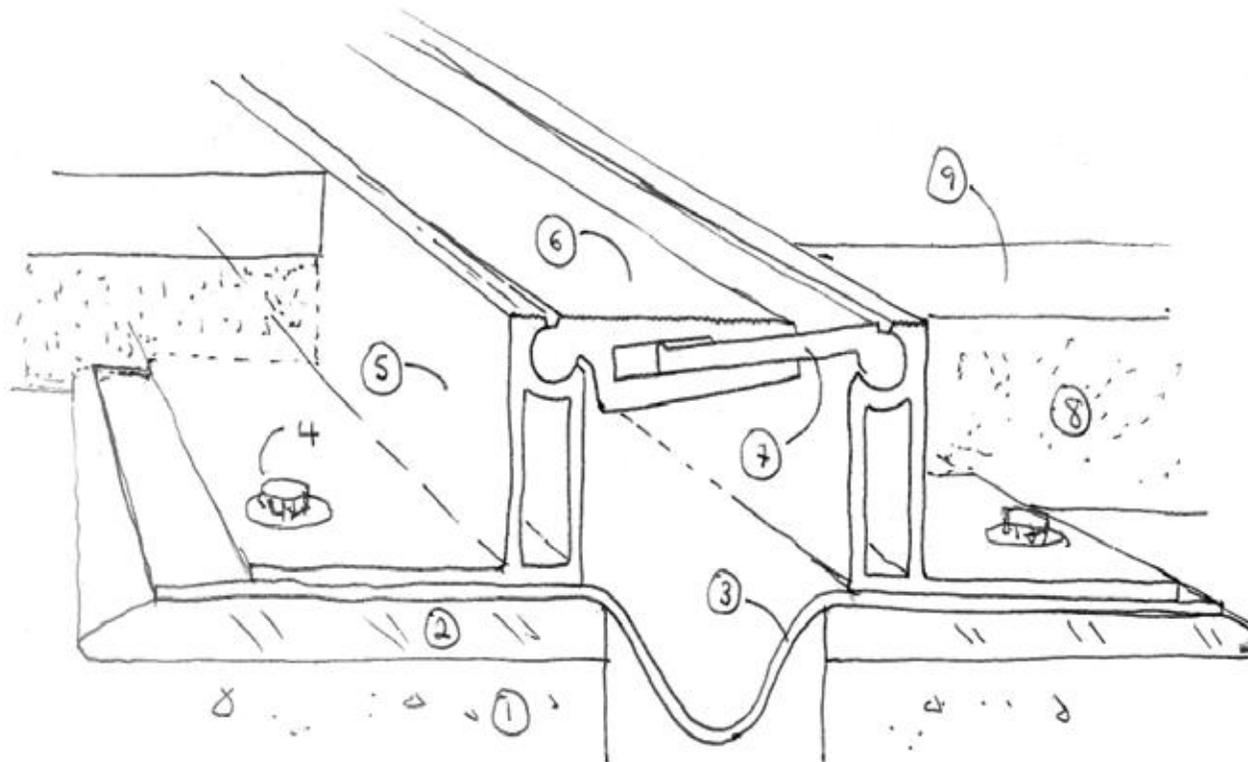
Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

Full installation instructions are available to download from our website – www.vexcolt.com/installation

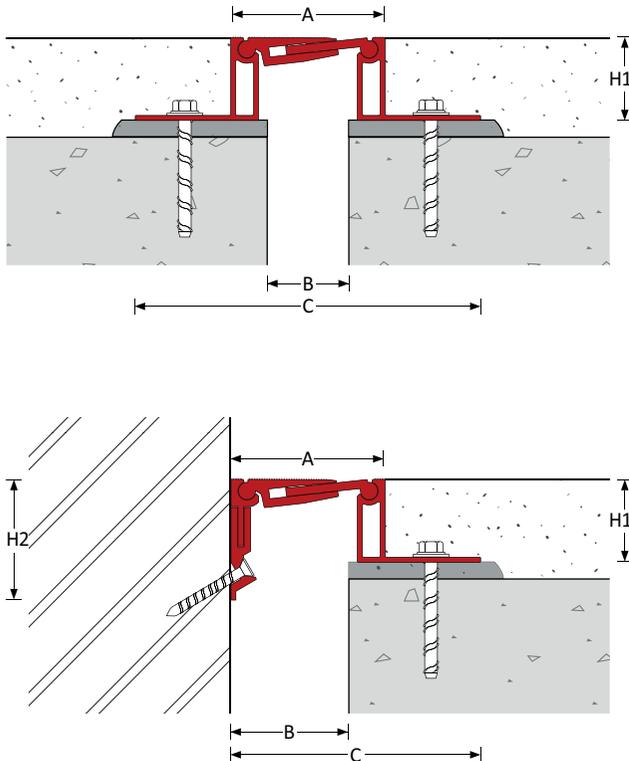


METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 125 mm (1 - 5") Expansion Gaps

Megatec 300 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline A (mm)		Blockout C (mm)
Floor - Floor	25	± 5	[10]	Group FL3 69kN	Group 4 300kN	25: 35: 50: 75	-	69	185	300-A01-025-(H1)
	50	± 10	[20]					94	210	300-A01-050-(H1)
	75	± 15	[30]					119	235	300-A01-075-(H1)
	100	± 20	[40]					144	260	300-A01-100-(H1)
	125	± 30	[60]					169	285	300-A01-125-(H1)
Floor - Wall	25	± 5	[10]	Group FL3 69kN	Group 4 300kN	25: 35: 50: 75	73	69	135	300-A02-025-(H1)
	50	± 10	[20]					94	160	300-A02-050-(H1)
	75	± 15	[30]					119	185	300-A02-075-(H1)
	100	± 20	[40]					144	210	300-A02-100-(H1)
	125	± 30	[60]					169	235	300-A02-125-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 300-A01-075-050 denotes a joint 50mm high.

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 125 mm (1 - 5") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring Asphalt
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	≤ 1000 per day
Road Transport load	Group 4: 300kN (≈29.4 tonnes)
Road Transport transits	≤ 1000 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal, shear and vertical
Max. movement	± 30 (60 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50, 75, 100, 125 mm
Height(s)	25, 35, 50, 75 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	340-A07/A09	pg 94, 95
External Wall	540-A07/A09	pg 152, 153



Megatec 300 : A01-A02

APPLICATIONS

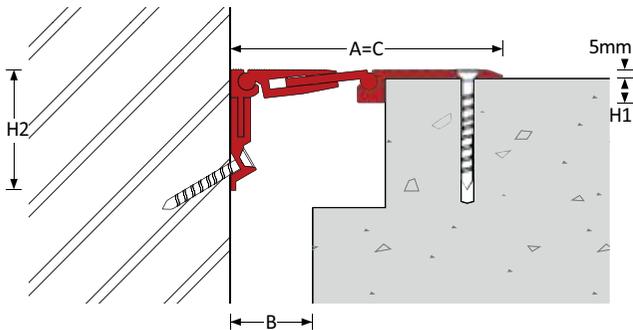
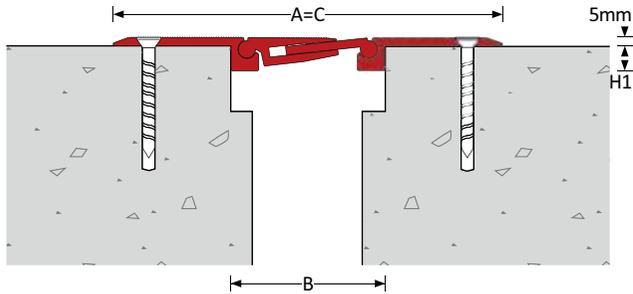
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METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 125 mm (1 - 5") Expansion Gaps

Megatec 320 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline A (mm)		Blockout C (mm)
						H1 (mm)	H2 (mm)			
Floor - Floor	25	± 5	[10]	Group FL3 69kN	Group 4 300kN	15	-	213	69	320-A01-025
	50	± 10	[20]					235	94	320-A01-050
	75	± 15	[30]					263	119	320-A01-075
	100	± 20	[40]	Group FL2 46kN	Group 2 120kN			288	144	320-A01-100
	125	± 30	[60]					313	169	320-A01-125
Floor - Wall	25	± 5	[10]	Group FL3 69kN	Group 4 300kN	15	73	140	69	320-A02-025
	50	± 10	[20]					166	94	320-A02-050
	75	± 15	[30]					190	119	320-A02-075
	100	± 20	[40]	Group FL2 46kN	Group 2 120kN			216	144	320-A02-100
	125	± 30	[60]					241	169	320-A02-125

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 125 mm (1 - 5") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring Asphalt
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	≤ 1000 per day
Road Transport load	Group 4: 300kN (≈29.4 tonnes)
Road Transport transits	≤ 1000 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal, shear and vertical
Max. movement	± 30 (60 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50, 75, 100, 125 mm
Height(s)	15 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	340-A07/A09	pg 94, 95
External Wall	540-A07/A09	pg 152, 153



Megatec 320 : A01-A02

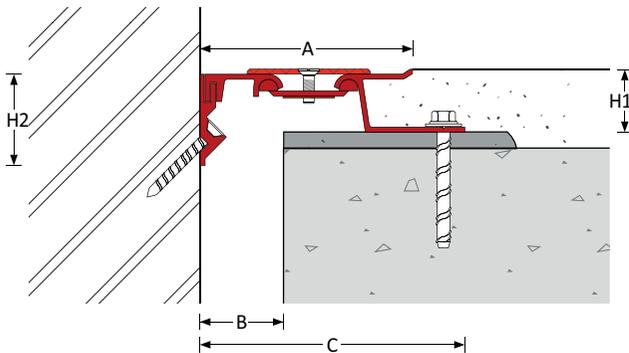
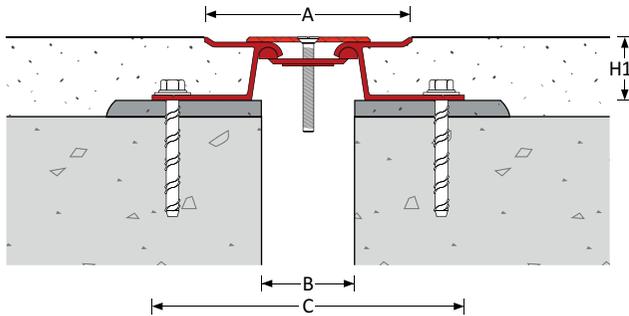
APPLICATIONS

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Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 50 mm (1 - 2") Expansion Gaps

Megatec 330 : S01-S02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	25	± 12	[25]	Group FL1 31kN	-	25: 38: 50	-	127	191	330-S01-025-(H1)
	50	± 25	[50]	-	-		139	203	330-S01-050-(H1)	
Floor - Wall	25	± 12	[25]	Group FL1 31kN	-	25: 38: 50	60	130	162	330-S02-025-(H1)
	50	± 25	[50]	-	-			142	174	330-S02-050-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 330-S01-050-038 denotes a joint 38mm high.

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 50 mm (1 - 5") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL1: 31kN (≈3.0 tonnes)
Forklift transits	≤ 100 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 10,000 per day
Movement	
Direction	Horizontal and shear
Max. movement	± 25 (50 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50 mm
Height(s)	25, 38, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	340-A07/A09	pg 94, 95
External Wall	540-A07/A09	pg 152, 153



Megatec 330 : S01-S02

APPLICATIONS

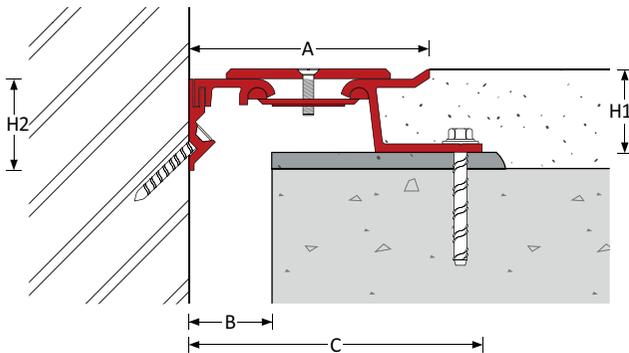
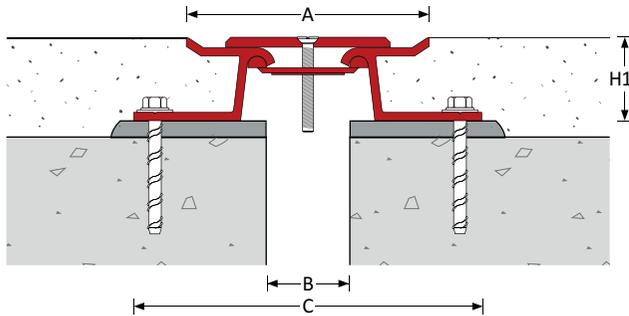
Exhibition Centres | Distribution & Retail Warehouses
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Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 300 mm (1 - 12") Expansion Gaps

Megatec 340 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline A (mm)		Blockout C (mm)
Floor - Floor	25	± 12	[25]	Group FL5 150kN	-	25: 38: 50	-	136	200	340-A01-025-(H1)
	50	± 25	[50]	Group FL2 46kN				148	212	340-A01-050-(H1)
	75	± 37	[75]	Group FL1 31kN				187	251	340-A01-075-(H1)
	100	± 50	[100]	-				225	289	340-A01-100-(H1)
	150	± 75	[150]					296	360	340-A01-150-(H1)
	200	± 100	[200]					404	468	340-A01-200-(H1)
	250	± 125	[250]					408	473	340-A01-250-(H1)
	300	± 150	[300]					460	524	340-A01-300-(H1)
Floor - Wall	25	± 12	[25]	Group FL5 150kN	-	25: 38: 50	60	134	168	340-A02-025-(H1)
	50	± 25	[50]	Group FL2 46kN				147	179	340-A02-050-(H1)
	75	± 37	[75]	Group FL1 31kN				186	218	340-A02-075-(H1)
	100	± 50	[100]	-				249	281	340-A02-100-(H1)
	150	± 75	[150]					284	324	340-A02-150-(H1)
	200	± 100	[200]					365	409	340-A02-200-(H1)
	250	± 125	[250]					417	449	340-A02-250-(H1)
	300	± 150	[300]					480	512	340-A02-300-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 340-A01-075-050 denotes a joint 50mm high.

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 300 mm (1 - 12") Expansion Gaps

Megatec 340 : A01-A02

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL5: 150kN (≈14.7 tonnes)
Forklift transits	≤ 1,000 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal and shear
Max. movement	± 50 (100 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	25, 50, 75, 100 mm
Height(s)	25, 38, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	340-A07/A09	pg 94, 95
External Wall	540-A07/A09	pg 152, 153



APPLICATIONS

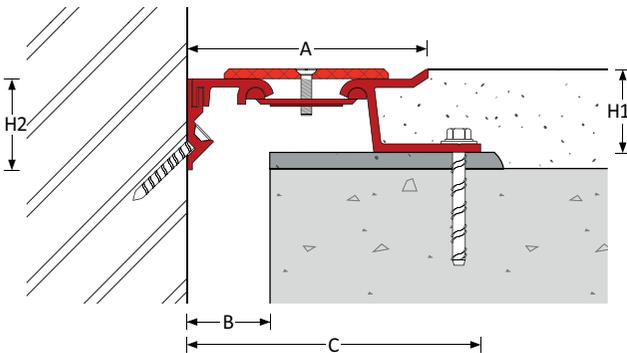
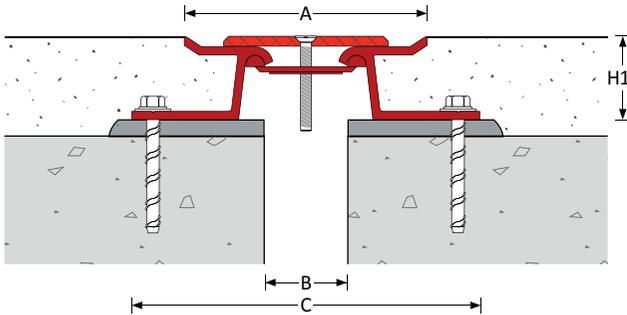
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METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 300 mm (1 - 12") Expansion Gaps

Megatec 340 : S01-S02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline A (mm)		Blockout C (mm)
Floor - Floor	25	± 12	[25]	Group FL6 190kN	-	38: 50: 70	-	136	200	340-S01-025-(H1)
	50	± 25	[50]	Group FL4 100kN				148	212	340-S01-050-(H1)
	75	± 37	[75]	Group FL2 46kN				187	251	340-S01-075-(H1)
	100	± 50	[100]	Group FL1 31kN				225	289	340-S01-100-(H1)
	150	± 75	[150]	Group E6 5kN				296	360	340-S01-150-(H1)
	200	± 100	[200]					404	468	340-S01-200-(H1)
	250	± 125	[250]					408	473	340-S01-250-(H1)
	300	± 150	[300]	-				460	524	340-S01-300-(H1)
Floor - Wall	25	± 12	[25]	Group FL6 190kN	-	38: 50: 70	60	134	168	340-S02-025-(H1)
	50	± 25	[50]	Group FL4 100kN				147	179	340-S02-050-(H1)
	75	± 37	[75]	Group FL2 46kN				186	218	340-S02-075-(H1)
	100	± 50	[100]	Group FL1 31kN				249	281	340-S02-100-(H1)
	150	± 75	[150]	Group E6 5kN				284	324	340-S02-150-(H1)
	200	± 100	[200]					365	409	340-S02-200-(H1)
	250	± 125	[250]					417	449	340-S02-250-(H1)
	300	± 150	[300]	-				480	512	340-S02-300-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 340-S01-100-038 denotes a joint 38mm high.

Megatec 340 : S01-S02

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL6: 190kN (≈18.6 tonnes)
Forklift transits	≤ 1,000 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal and shear
Max. movement	± 100 (200 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	25, 50, 75, 100, 150, 200 mm
Height(s)	25, 38, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium 304-grade Stainless Steel
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	340-A07/A09	pg 94, 95
External Wall	540-A07/A09	pg 152, 153



APPLICATIONS

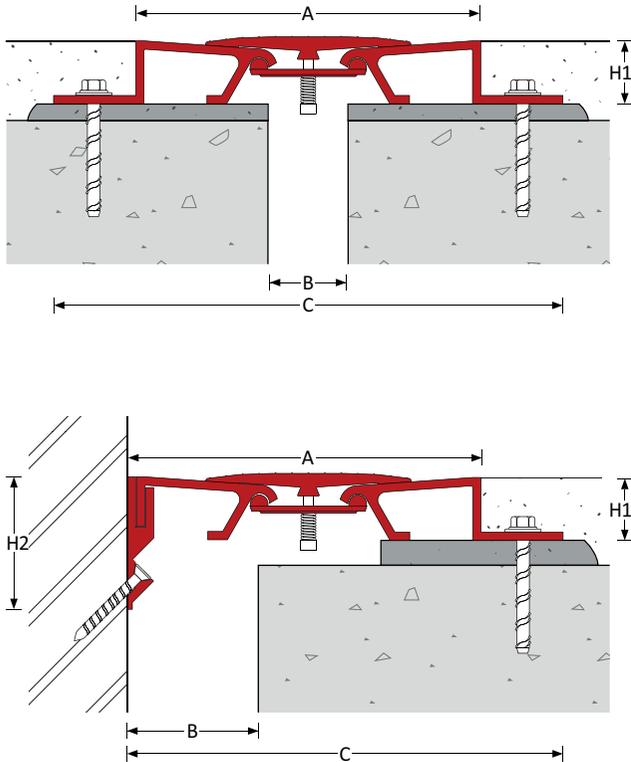
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METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

50 - 150 mm (2 - 6") Expansion Gaps

Megatec 350 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	50	± 25	[50]	Group FL4 100kN	Group 6 630kN	38	-	210	310	350-A01-050
	75	± 37	[75]					225	325	350-A01-075
	100	± 50	[100]	Group FL3 69kN	Group 4 300kN			290	390	350-A01-100
	150	± 75	[150]					418	518	350-A01-150
Floor - Wall	50	± 25	[50]	Group FL4 100kN	Group 6 630kN	38	95	216	266	350-A02-050
	75	± 37	[75]					231	281	350-A02-075
	100	± 50	[100]	Group FL3 69kN	Group 4 300kN			296	346	350-A02-100
	150	± 75	[150]					424	474	350-A02-150

1. Gap width indicates the nominal expansion gap width before movement occurs
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

50 - 150 mm (2 - 6") Expansion Gaps

Megatec 350 : A01-A02

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring Asphalt
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal and external floors
Max Load & Traffic Frequency	
Forklift load	Group FL4: 100kN (≈9.8 tonnes)
Forklift transits	≤ 1,000 per day
Road Transport load	Group 6: 630kN (≈61.8 tonnes)
Road Transport transits	≤ 100 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal, shear & limited vertical
Max. movement	± 75 (150mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	50, 75, 100, 150 mm
Height(s)	38 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	340-A07/A09	pg 94, 95
External Wall	540-A07/A09	pg 152, 153



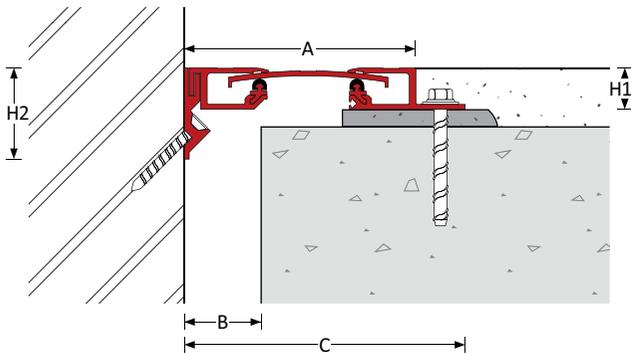
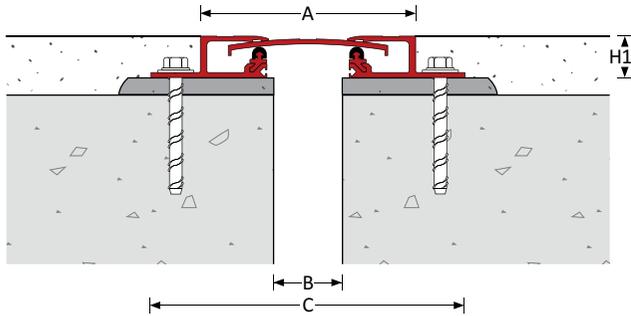
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 50 mm (1 - 2") Expansion Gaps

Megatec 360 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	25	± 12	[25]	Group FL1 31kN	-	25: 38: 50	-	81	141	360-A01-025-(H1)
	50	± 25	[50]	-	-		-	131	191	360-A01-050-(H1)
Floor - Wall	25	± 12	[25]	Group FL1 31kN	-	25: 38: 50	70	91	121	360-A02-025-(H1)
	50	± 25	[50]	-	-			141	171	360-A02-050-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 360-A01-025-050 denotes a joint 50mm high.

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 50 mm (1 - 2") Expansion Gaps

Megatec 360 : A01-A02

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL1: 31kN (≈3.0 tonnes)
Forklift transits	≤ 10 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 5,000 per day
Movement	
Direction	Horizontal, shear and vertical
Max. movement	± 25 (50 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50 mm
Height(s)	25, 38, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	360-A07/A09	pg 96, 97
External Wall	530-A07/A09	pg 150, 151



APPLICATIONS

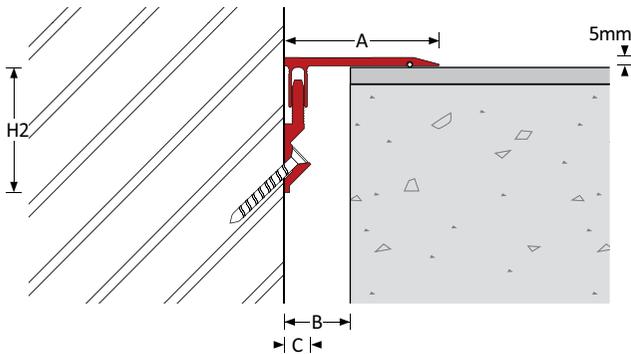
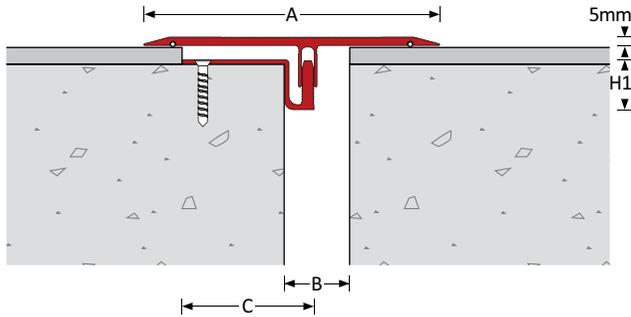
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall

50 - 150 mm (2 - 6") Expansion Gaps

Megatec 370 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline		Blockout
						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor	50	± 25	[50]	Group FL1 31kN		5		198	-	370-A01-050
	75	± 37	[75]					237		371-A01-075
	100	± 50	[100]	-	272			372-A01-100		
	150	± 75	[150]	-	347			373-A01-150		
Floor - Wall	50	± 25	[50]	Group FL1 31kN		5	81	94	-	370-A02-050
	75	± 37	[75]					135		371-A02-075
	100	± 50	[100]	-	170			372-A02-100		
	150	± 75	[150]	-	245			373-A02-150		

1. Gap width indicates the nominal expansion gap width before movement occurs
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

Megatec 370 : A01-A02

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL1: 31kN (≈3.0 tonnes)
Forklift transits	≤ 10 per day
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 10,000 per day
Movement	
Direction	Horizontal and shear
Max. movement	± 37 (75 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	50, 75, 100, 150 mm
Height(s)	5 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	370-A07/A09	pg 98, 99
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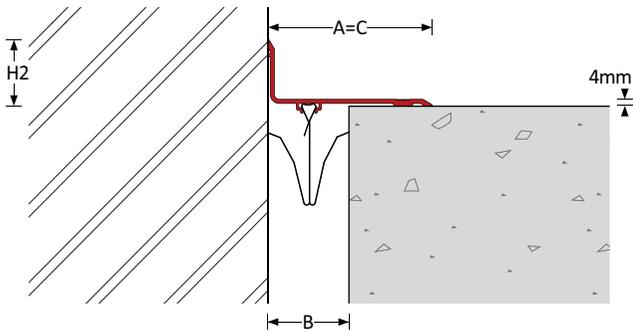
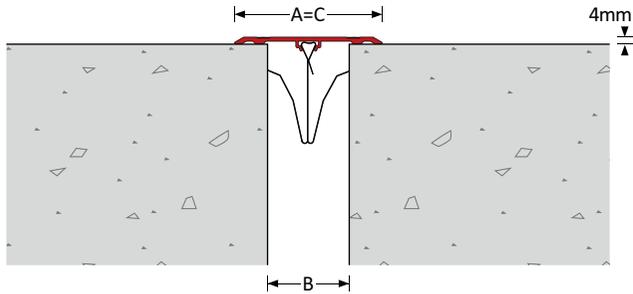
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
 Department Stores | Supermarkets | Educational
 Residential | Factories | Parking | Roads & Bridges
 Offices & Hotels | Sports Stadiums | Airport Terminals
 Rail, Metros & Elevated Rail Stations | Hospitals
 Museums | Places of Worship | Shopping Centres

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 50 mm (1 - 2") Expansion Gaps

Megatec 380 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	25	± 12	[25]	-	-	4	-	60	-	380-A01-025
	50	± 25	[50]					90		380-A01-050
Floor - Wall	25	± 12	[25]	-	-	4	40	50	-	380-A02-025
	50	± 25	[50]					100		380-A02-050

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

METAL EXPANSION JOINT

Floor to Floor | Floor to Wall
25 - 50 mm (1 - 2") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	≤ 2,500 per day
Movement	
Direction	Horizontal
Max. movement	± 25 (50 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50 mm
Height(s)	4 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	380-A07/A09	pg 100, 101
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Megatec 380 : A01-A02

APPLICATIONS

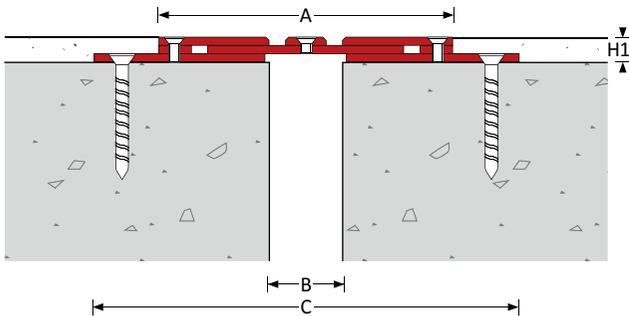
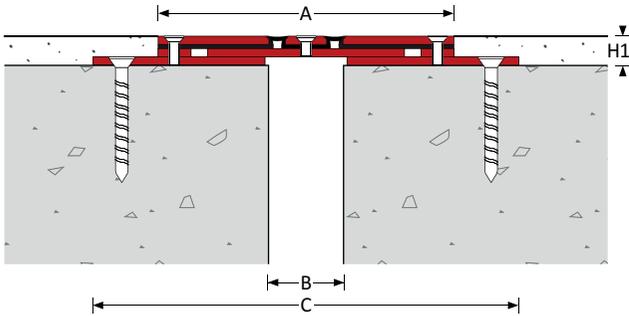
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

METAL EXPANSION JOINT

Floor to Floor |

25 - 75 mm (1 - 3") Expansion Gaps

Megatec 390/395 : S01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline A (mm)		Blockout C (mm)
Floor - Floor	25	± 5	[10]	Group FL4 100kN	Group 6 630kN	18: 28: 38: 53	-	85	176	390-S01-025-(H1)
	50	± 10	[20]					180	260	390-S01-050-(H1)
	75	±15	[30]					225	300	390-S01-075-(H1)
Floor - Floor	25	± 10	[20]	Group FL4 100kN	Group 6 630kN	15: 25: 35: 50	-	85	176	395-S01-025-(H1)
	50	± 20	[40]					180	260	395-S01-050-(H1)
	75	± 25	[50]					225	300	395-S01-075-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 395-S01-050-035 denotes a joint 35mm high.

Megatec 390/395 : S01

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring Asphalt
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring Carpet

Product Synopsis

Location	Internal & External floors
Max Load & Traffic Frequency	
Forklift load	Group FL4: 100kN (≈9.8 tonnes)
Forklift transits	≤ 2,500 per day
Road Transport load	Group 6: 630kN (≈61.8 tonnes)
Road Transport transits	≤ 100 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal and shear
Max. movement	± 25 (50 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

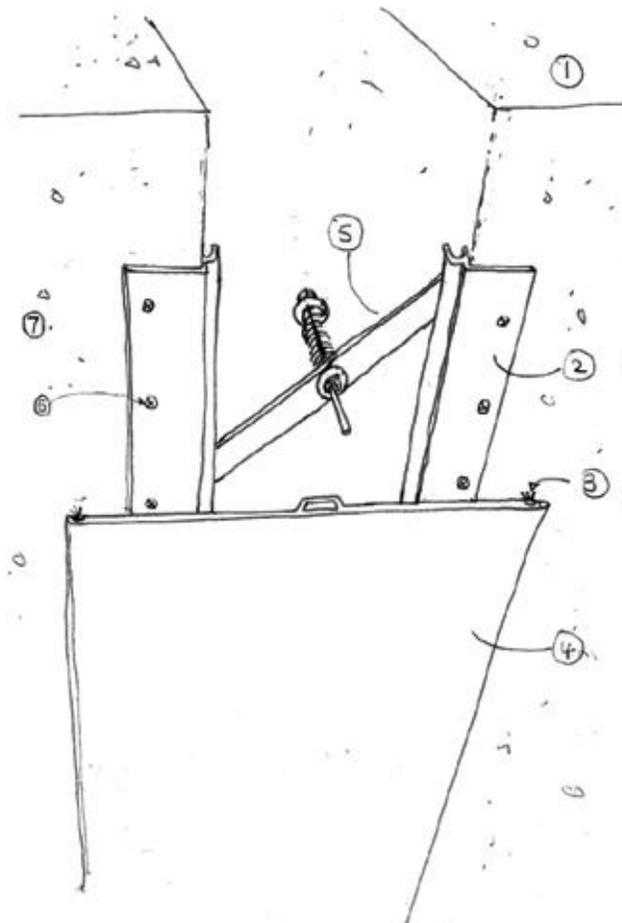
Gap width(s)	25, 50, 75 mm
Height(s)	18, 28, 38, 53 mm - Megatec 390 15, 25, 35, 50 mm - Megatec 395
Metal type(s)	<i>Top Plates:</i> 304-grade Stainless Steel Optional 316-grade <i>Sub-structure:</i> Galvanised Steel Plate
Seal colour(s)	Black (RAL 7021)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | **Factories** | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres





Typical Components

- (1) Wall
- (2) Continuous 6063 aluminium wall base frame
- (3) Continuous seal
- (4) Continuous 6063 aluminium wall centre plate
- (5) Spring-loaded centering bar
- (6) M5 x 35mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw
- (7) Finishes

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

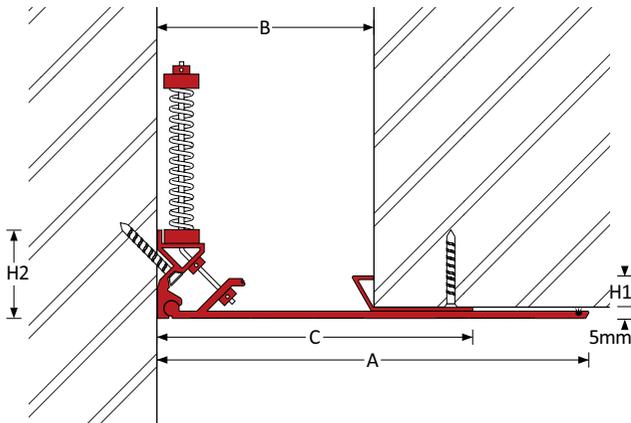
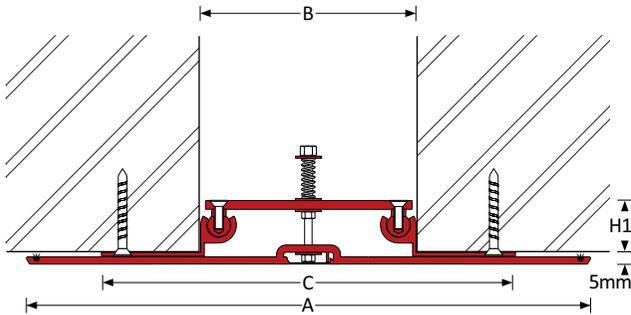
Full installation instructions are available to download from our website – www.vexcolt.com/installation

METAL EXPANSION JOINT

Wall to Wall | Corner Wall

100 - 500 mm (4 - 20") Expansion Gaps

Megatec 340 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Wall - Wall	100	+ 50/-44	[94]	-	-	8	-	304	-	340-A07-100
	150	± 75	[150]					392		340-A07-150
	200	± 100	[200]					452		340-A07-200
	300	± 150	[300]					602		340-A07-300
	400	± 200	[400]					752		340-A07-400
	500	± 250	[500]					902		340-A07-500
Corner Wall	100	+ 50/-26	[76]	-	-	8	89	225	-	340-A09-100
	150	± 75	[150]					300		340-A09-150
	200	± 100	[200]					375		340-A09-200
	300	± 150	[300]				164	525		340-A09-300
	400	± 200	[400]					675		340-A09-400
	500	± 250	[500]					825		340-A09-500

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

METAL EXPANSION JOINT

Wall to Wall | Corner Wall

100 - 500 mm (4 - 20") Expansion Gaps

Megatec 340 : A07-A09

Compatible with

Wall Finishes	Drywall
	Plaster
	Render
	Paint finishes
	Ceramic tiles
	Natural stone

Product Synopsis

Location Internal walls

Max Load & Traffic Frequency

Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable

Movement

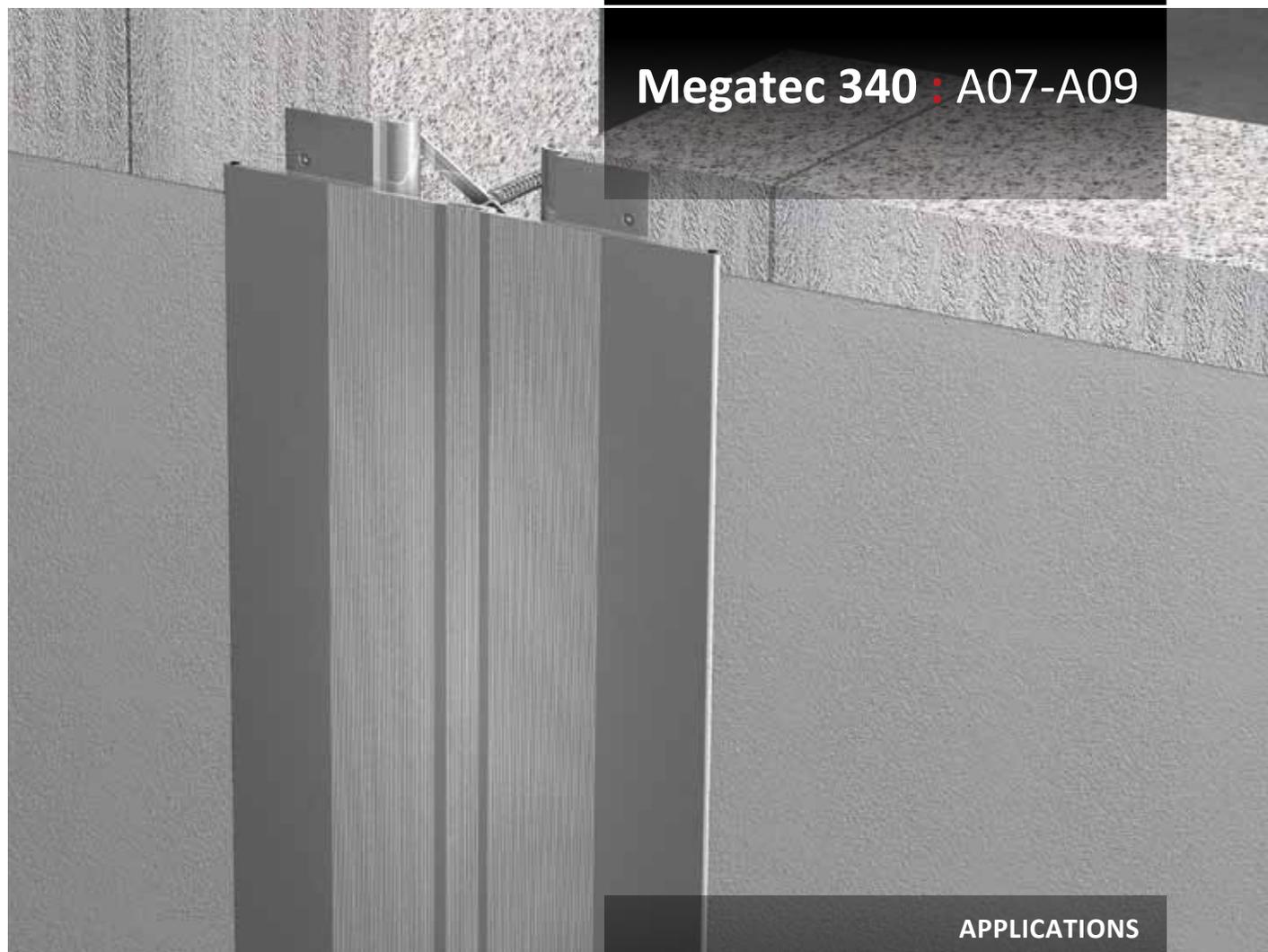
Direction	Horizontal and shear
Max. movement	± 250 (500 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal
	Class II : Wind Sway
	Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	8 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	25 micron clear satin anodised finish Aluminium
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



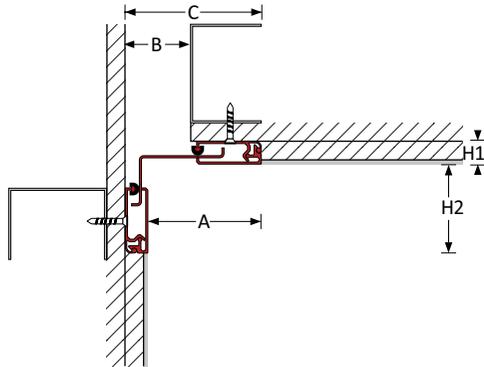
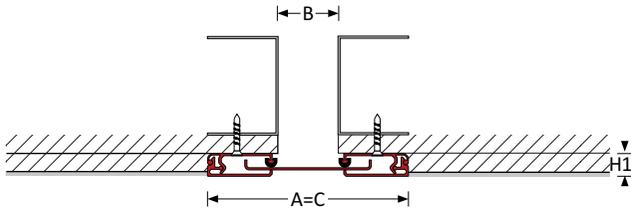
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

METAL EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
25 - 200 mm (1 - 8") Expansion Gaps

Megatec 360 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)			
Wall - Wall	25	± 12	[25]	-	-	16	-	118	118	360-A07-025
	50	± 25	[50]					143	143	360-A07-050
	75	± 37	[75]					197	197	360-A07-075
	100	± 50	[100]					246	246	360-A07-100
	150	± 75	[150]					347	347	360-A07-150
	200	± 100	[200]					448	448	360-A07-200
Corner & Ceiling - Wall	25	± 6	[12]	-	-	16	72	56	72	360-A09-025
	50	± 12	[25]					81	97	360-A09-050
	75	± 19	[37]					121	137	360-A09-075
	100	± 25	[50]					158	174	360-A09-100
	150	± 37	[75]					234	250	360-A09-150
	200	± 50	[100]					310	326	360-A09-200

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

METAL EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
25 - 200 mm (1 - 8") Expansion Gaps

Megatec 360 : A07-A09

Compatible with

Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
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Max Load & Traffic Frequency

Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable

Movement

Direction	Horizontal shear & limited vertical
Max. movement	± 100 (200 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic
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System Options

Gap width(s)	25, 50, 75, 100, 150, 200 mm
Height(s)	16 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	25 micron clear satin anodised finish Aluminium
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

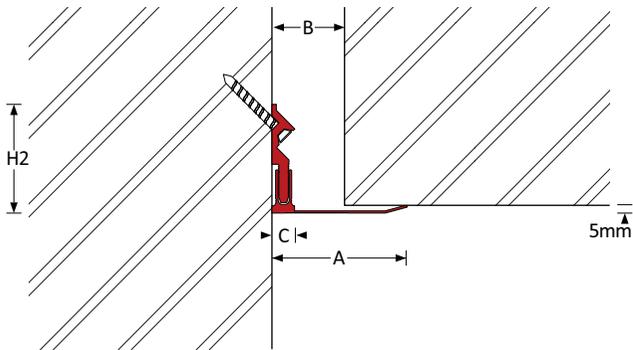
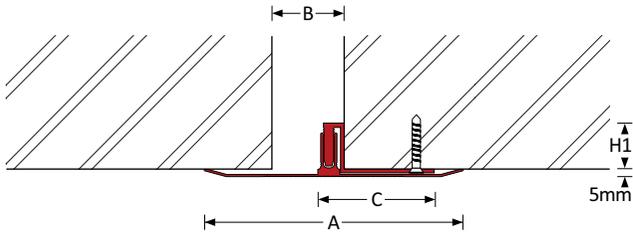
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

METAL EXPANSION JOINT

Wall to Wall | Corner Wall

50 - 150 mm (2 - 6") Expansion Gaps

Megatec 370 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Wall - Wall	50	± 25	[50]	-	-	5	-	198	-	370-A07-050
	75	± 37	[75]					237		370-A07-075
	100	± 50	[100]					272		370-A07-100
	150	± 75	[150]					347		370-A07-150
Corner Wall	50	± 25	[50]	-	-	5	70	94	-	370-A09-050
	75	± 37	[75]					135		370-A09-075
	100	± 50	[100]					170		370-A09-100
	150	± 75	[150]					245		370-A09-150

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

METAL EXPANSION JOINT

Wall to Wall | Corner Wall

50 - 150 mm (2 - 6") Expansion Gaps

Megatec 370 : A07-A09

Compatible with

Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
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Max Load & Traffic Frequency

Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable

Movement

Direction	Horizontal and shear
Max. movement	± 75 (150 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic
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System Options

Gap width(s)	50, 75, 100, 150 mm
Height(s)	5 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	25 micron clear satin anodised finish Aluminium
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

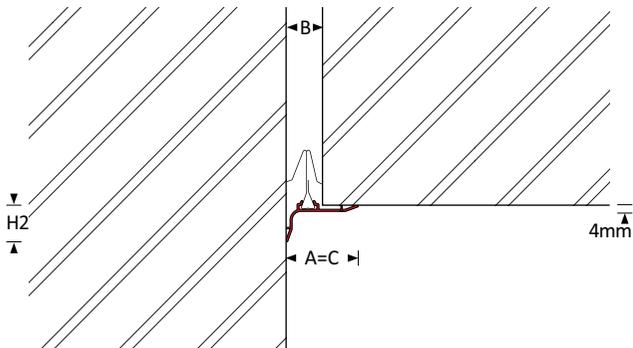
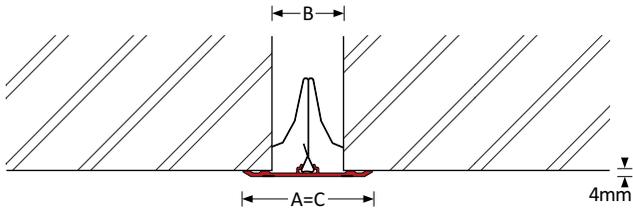
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

METAL EXPANSION JOINT

Wall to Wall | Corner Wall

25 - 50 mm (1 - 2") Expansion Gaps

Megatec 380 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Wall - Wall	25	± 12	[25]	-	-	4	-	60	-	380-A07-025
	50	± 25	[50]					90		380-A07-050
Corner Wall	25	± 12	[25]	-	-	4	40	50	-	380-A09-025
	50	± 25	[50]					100		380-A09-050

1. Gap width indicates the nominal expansion gap width before movement occurs
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

Megatec 380 : A07-A09

Compatible with

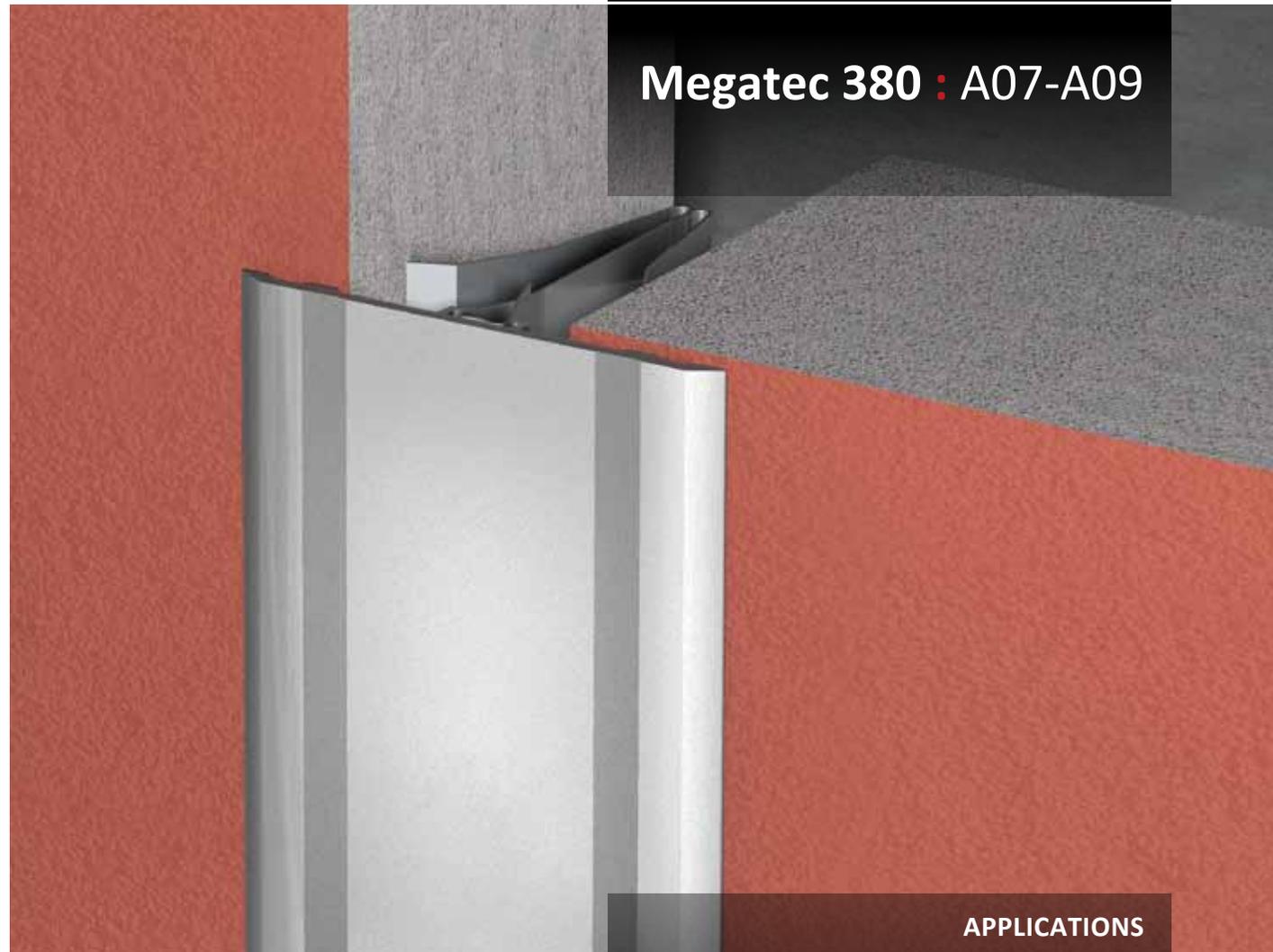
Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal
Max. movement	± 25 (50 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50 mm
Height(s)	4 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	25 micron clear satin anodised finish Aluminium
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



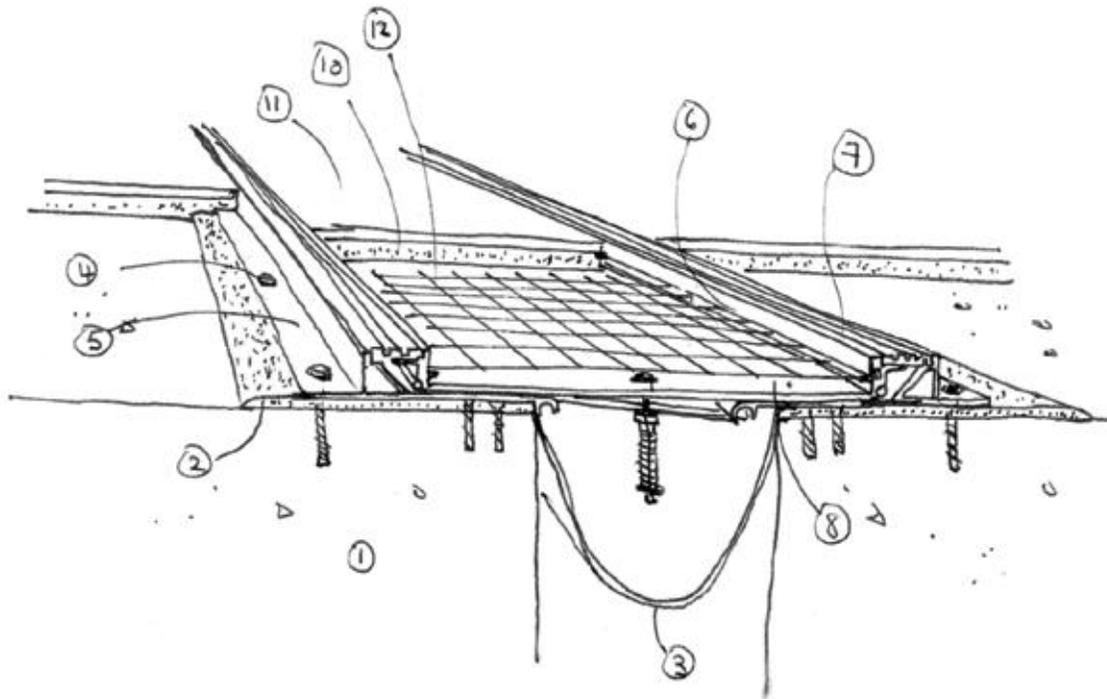
APPLICATIONS

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Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres



Typical Components

- (1) Concrete slab
- (2) High strength (>40N/mm²) levelling bed (by others)
- (3) Optional self-adhesive or torch-applied sheet membrane (by others)
- (4) M8 x 75mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw
- (5) Continuous 6063 aluminium floor frame
- (6) Continuous 6063 aluminium central pan frame
- (7) Continuous coloured TPR Seal
- (8) Central pan load plate
- (9) Spring-loaded centering bar
- (10) High strength (>60N/mm²) epoxy mortar bed (by others)
- (11) Finishes/wearing surface
- (12) D49/D98 reinforcing mesh or equivalent (by others)



Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

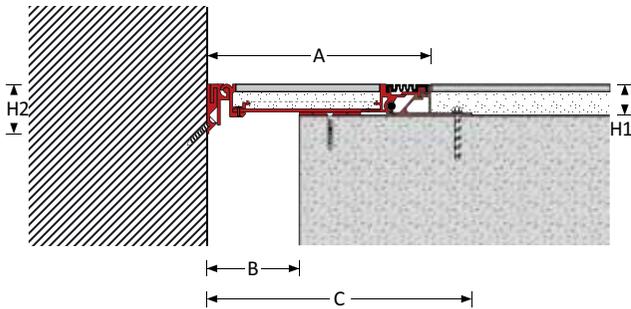
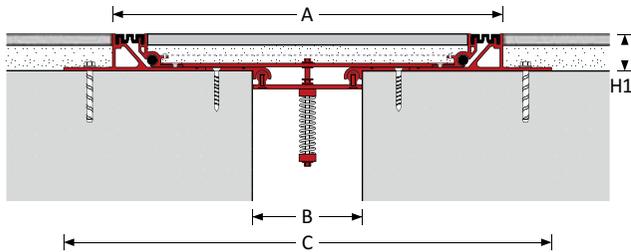
Installation

Full installation instructions are available to download from our website – www.vexcolt.com/installation

POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 400 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Floor - Floor	100	+50/-35	[85]	Group FL3 69kN	Group 1 30kN	50	-	54	595	400-A01-100
	150	± 75	[150]						670	400-A01-150
	200	± 100	[200]	Group FL2 46kN					720	400-A01-200
	300	± 150	[300]						820	400-A01-300
	400	± 200	[400]	Group CP1 36kN					970	400-A01-400
	500	± 250	[500]						1120	400-A01-500
Floor - Wall	100	+50/-35	[85]	Group FL3 69kN	Group 1 30kN	50	80	83	356	400-A02-100
	150	± 75	[150]						431	400-A02-150
	200	± 100	[200]	Group FL2 46kN					506	400-A02-200
	300	± 150	[300]						656	400-A02-300
	400	± 200	[400]	Group CP1 36kN					806	400-A02-400
	500	± 250	[500]						956	400-A02-500

1. Gap width indicates the nominal expansion gap width before movement occurs
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring

Product Synopsis

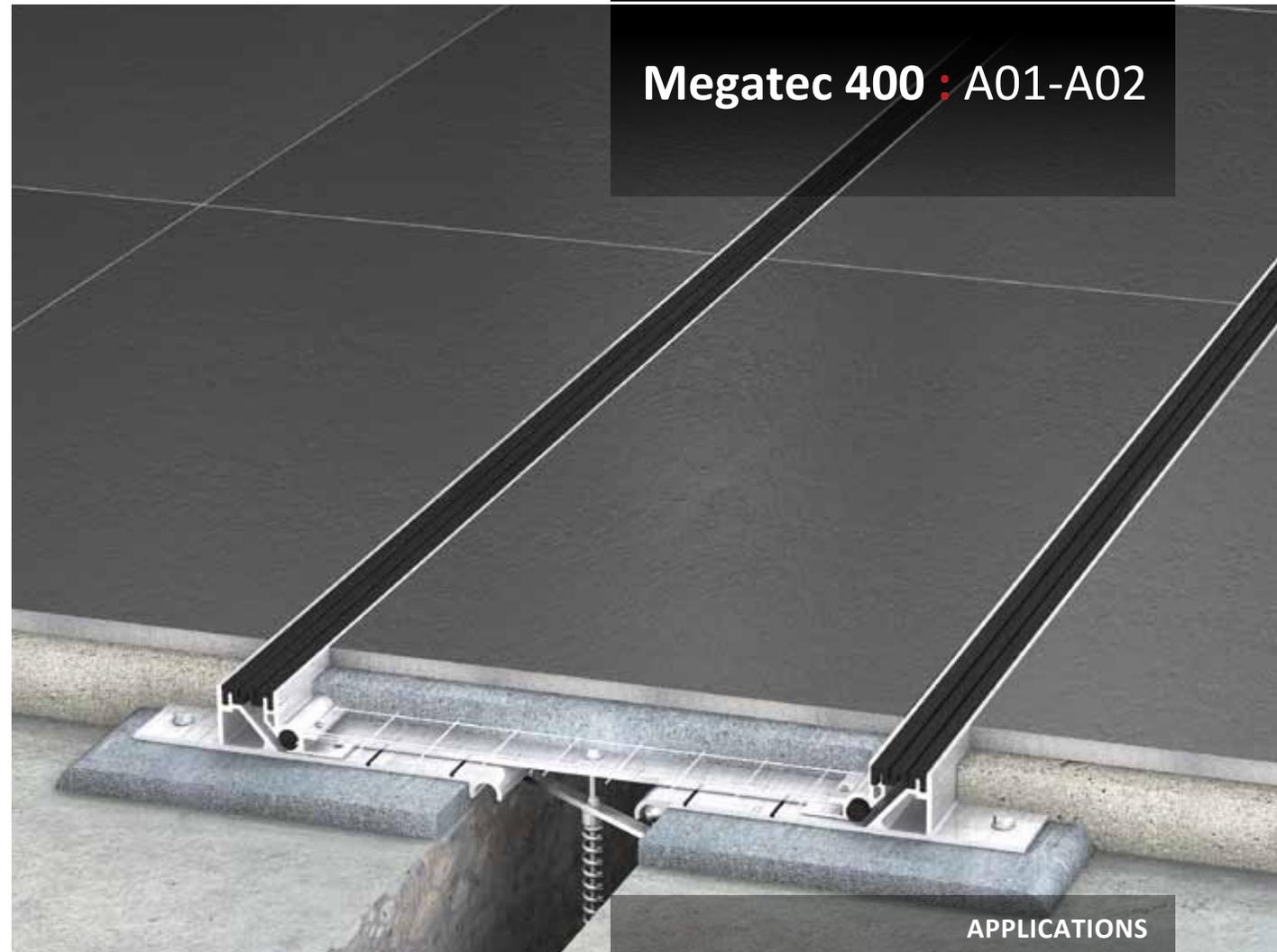
Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	< 100 max per day
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	≤ 10 max per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 6 (12 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	400-A07/A09	pg 120, 121
External Wall	500-A07/A09	pg 136, 137



Megatec 400 : A01-A02

APPLICATIONS

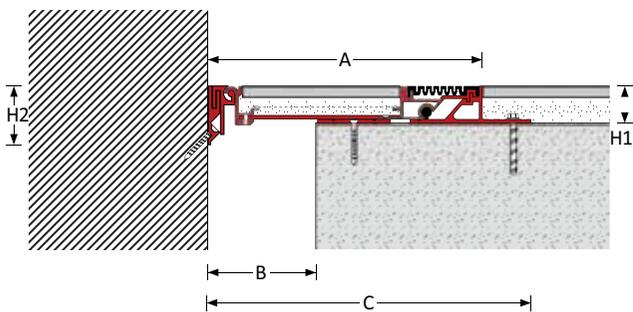
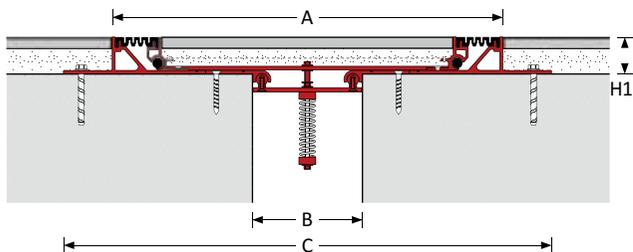
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
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POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 410 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Floor - Floor	100	+50/-35	[85]	Group FL3 69kN	Group 1 30kN	50	-	74	620	410-A01-100
	150	± 75	[150]						670	410-A01-150
	200	± 100	[200]	Group FL2 46kN					720	410-A01-200
	300	± 150	[300]						859	410-A01-300
	400	± 200	[400]	Group CP1 36kN					1009	410-A01-400
	500	± 250	[500]						1159	410-A01-500
Floor - Wall	100	+50/-35	[85]	Group FL3 69kN	Group 1 30kN	50	80	113	368	410-A02-100
	150	± 75	[150]						443	410-A02-150
	200	± 100	[200]	Group FL2 46kN					518	410-A02-200
	300	± 150	[300]						668	410-A02-300
	400	± 200	[400]	Group CP1 36kN					818	410-A02-400
	500	± 250	[500]						968	410-A02-500

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Megatec 410 : A01-A02

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	< 100 max per day
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	≤ 10 max per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 12 (25 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	410-A07/A09	pg 122, 123
External Wall	510-A07/A09	pg 138, 139



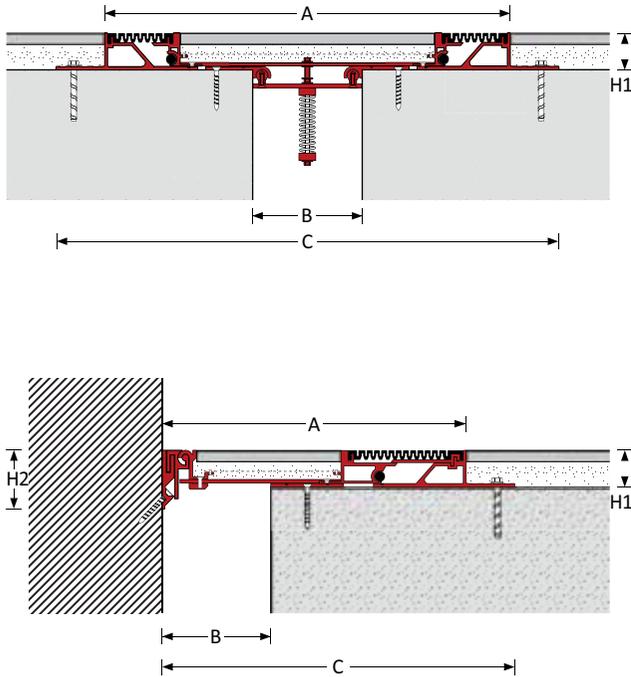
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 420 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Floor - Floor	100	+50/-35	[85]	Group FL3 69kN	Group 1 30kN	50	-	104	620	420-A01-100
	150	± 75	[150]						691	420-A01-150
	200	± 100	[200]	Group FL2 46kN					767	420-A01-200
	300	± 150	[300]						917	420-A01-300
	400	± 200	[400]	Group CP1 36kN					1067	420-A01-400
	500	± 250	[500]						1217	420-A01-500
Floor - Wall	100	+50/-35	[85]	Group FL3 69kN	Group 1 30kN	50	80	173	409	420-A02-100
	150	± 75	[150]						484	420-A02-150
	200	± 100	[200]	Group FL2 46kN					560	420-A02-200
	300	± 150	[300]						709	420-A02-300
	400	± 200	[400]	Group CP1 36kN					859	420-A02-400
	500	± 250	[500]						1009	420-A02-500

1. Gap width indicates the nominal expansion gap width before movement occurs
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	< 100 max per day
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	≤ 10 max per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 25 (50 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	420-A07/A09	pg 124, 125
External Wall	520-A07/A09	pg 140, 141



Megatec 420 : A01-A02

APPLICATIONS

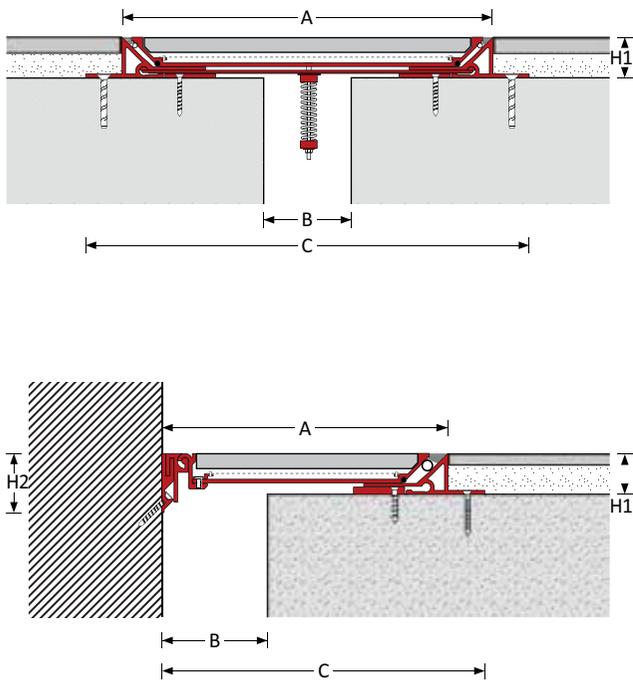
Exhibition Centres | Distribution & Retail Warehouses
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Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
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Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall

50 - 500 mm (2 - 20") Expansion Gaps

Megatec 450 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Sightline A (mm)	Blockout C (mm)		
Floor - Floor	50	± 25	[50]	Group FL3 69kN	Group 1 30kN	55: 65	-	29	462	450-A01-050-(H1)
	75	± 37	[75]						462	450-A01-075-(H1)
	100	± 50	[100]						562	450-A01-100-(H1)
	150	± 75	[150]	Group FL2 46kN					612	450-A01-150-(H1)
	200	± 100	[200]						712	450-A01-200-(H1)
	250	± 125	[250]						812	450-A01-250-(H1)
	300	± 150	[300]	Group CP1 36kN					862	450-A01-300-(H1)
	400	± 200	[400]						962	450-A01-400-(H1)
	500	± 250	[500]						1112	450-A01-500-(H1)
Floor - Wall	50	± 25	[50]	Group FL3 69kN	Group 1 30kN	55: 65	80	41	292	450-A02-050-(H1)
	75	± 37	[75]						292	450-A02-075-(H1)
	100	± 50	[100]						342	450-A02-100-(H1)
	150	± 75	[150]	Group FL2 46kN					442	450-A02-150-(H1)
	200	± 100	[200]						492	450-A02-200-(H1)
	250	± 125	[250]						542	450-A02-250-(H1)
	300	± 150	[300]	Group CP1 36kN					642	450-A02-300-(H1)
	400	± 200	[400]						792	450-A02-400-(H1)
	500	± 250	[500]						942	450-A02-500-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 450-A01-200-055 denotes a joint 55mm high which is suitable for paving up to 20mm deep. On the other hand 450-A01-200-065 denotes a joint 65mm high which is suited to paving up to 30mm deep.

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	< 100 max per day
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	≤ 10 max per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 6 (12 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	50, 75, 100, 150, 200, 300, 400, 500 mm
Height(s)	55, 65 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	To match finishes (by others)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	400-A07/A09	pg 126, 127
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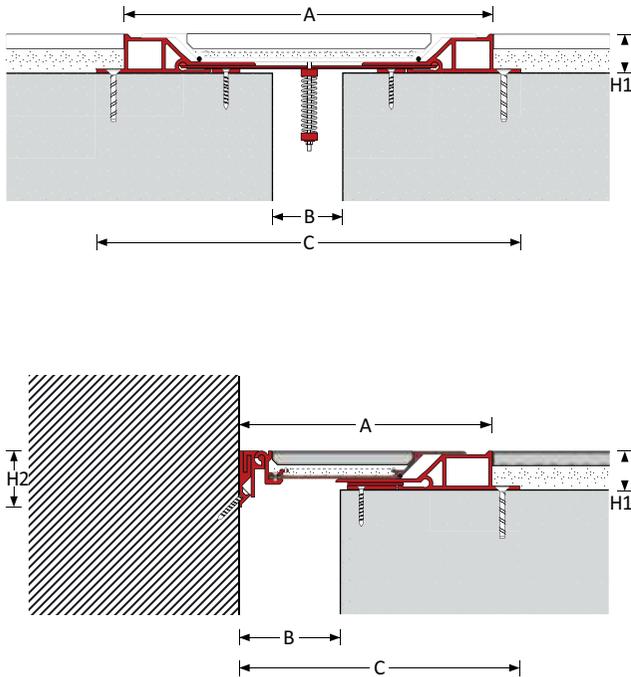
**Megatec 450 : A01-A02****APPLICATIONS**

Exhibition Centres | Distribution & Retail Warehouses
 Department Stores | Supermarkets | Educational
 Residential | Factories | Parking | Roads & Bridges
 Offices & Hotels | Sports Stadiums | Airport Terminals
 Rail, Metros & Elevated Rail Stations | Hospitals
 Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 460 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Sightline A (mm)	Blockout C (mm)		
Floor - Floor	100	± 50	[100]	Group FL3 69kN	-	55: 70	-	89	513	460-A01-100-(H1)
	150	± 75	[150]						608	460-A01-150-(H1)
	200	± 100	[200]	Group FL2 46kN					658	460-A01-200-(H1)
	250	± 125	[250]						708	460-A01-250-(H1)
	300	± 150	[300]						808	460-A01-300-(H1)
	400	± 200	[400]	Group CP1 36kN					958	460-A01-400-(H1)
	500	± 250	[500]						1108	460-A01-500-(H1)
Floor - Wall	100	± 50	[100]	Group FL3 69kN	-	55: 70	80	113	340	460-A02-100-(H1)
	150	± 75	[150]						415	460-A02-150-(H1)
	200	± 100	[200]	Group FL2 46kN					490	460-A02-200-(H1)
	250	± 125	[250]						565	460-A02-250-(H1)
	300	± 150	[300]						640	460-A02-300-(H1)
	400	± 200	[400]	Group CP1 36kN					790	460-A02-400-(H1)
	500	± 250	[500]						940	460-A02-500-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 460-A01-200-055 denotes a joint 55mm high which is suitable for paving up to 20mm deep. On the other hand 460-A01-200-070 denotes a joint 70mm high which is suited to paving up to 30mm deep.

POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring

Product Synopsis

Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	< 100 max per day
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	≤ 10 max per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 12 (25 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 250, 300, 400, 500 mm
Height(s)	55, 70 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	400-A07/A09	pg 128, 129
External Wall	500-A07/A09	pg 142, 143



Megatec 460 : A01-A02

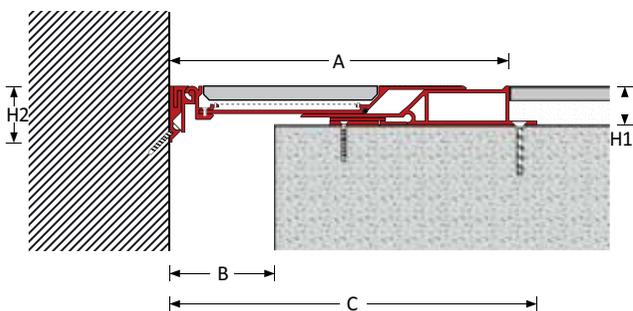
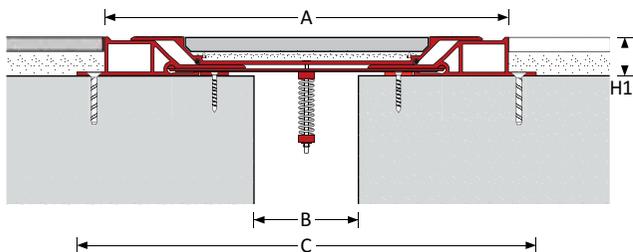
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 470 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	100	± 50	[100]	Group FL3 69kN	-	55: 70	-	114	586	470-A01-100-(H1)
	150	± 75	[150]						636	470-A01-150-(H1)
	200	± 100	[200]	Group FL2 46kN					696	470-A01-200-(H1)
	250	± 125	[250]						776	470-A01-250-(H1)
	300	± 150	[300]						866	470-A01-300-(H1)
	400	± 200	[400]	Group CP1 36kN					1006	470-A01-400-(H1)
	500	± 250	[500]						1151	470-A01-500-(H1)
Floor - Wall	100	± 50	[100]	Group FL3 69kN	-	55: 70	80	188	440	470-A02-100-(H1)
	150	± 75	[150]						490	470-A02-150-(H1)
	200	± 100	[200]	Group FL2 46kN					580	470-A02-200-(H1)
	250	± 125	[250]						650	470-A02-250-(H1)
	300	± 150	[300]						720	470-A02-300-(H1)
	400	± 200	[400]	Group CP1 36kN					865	470-A02-400-(H1)
	500	± 250	[500]						1015	470-A02-500-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 470-A01-200-055 denotes a joint 55mm high which is suitable for paving up to 20mm deep. On the other hand 470-A01-200-070 denotes a joint 70mm high which is suited to paving up to 30mm deep.

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring

Product Synopsis

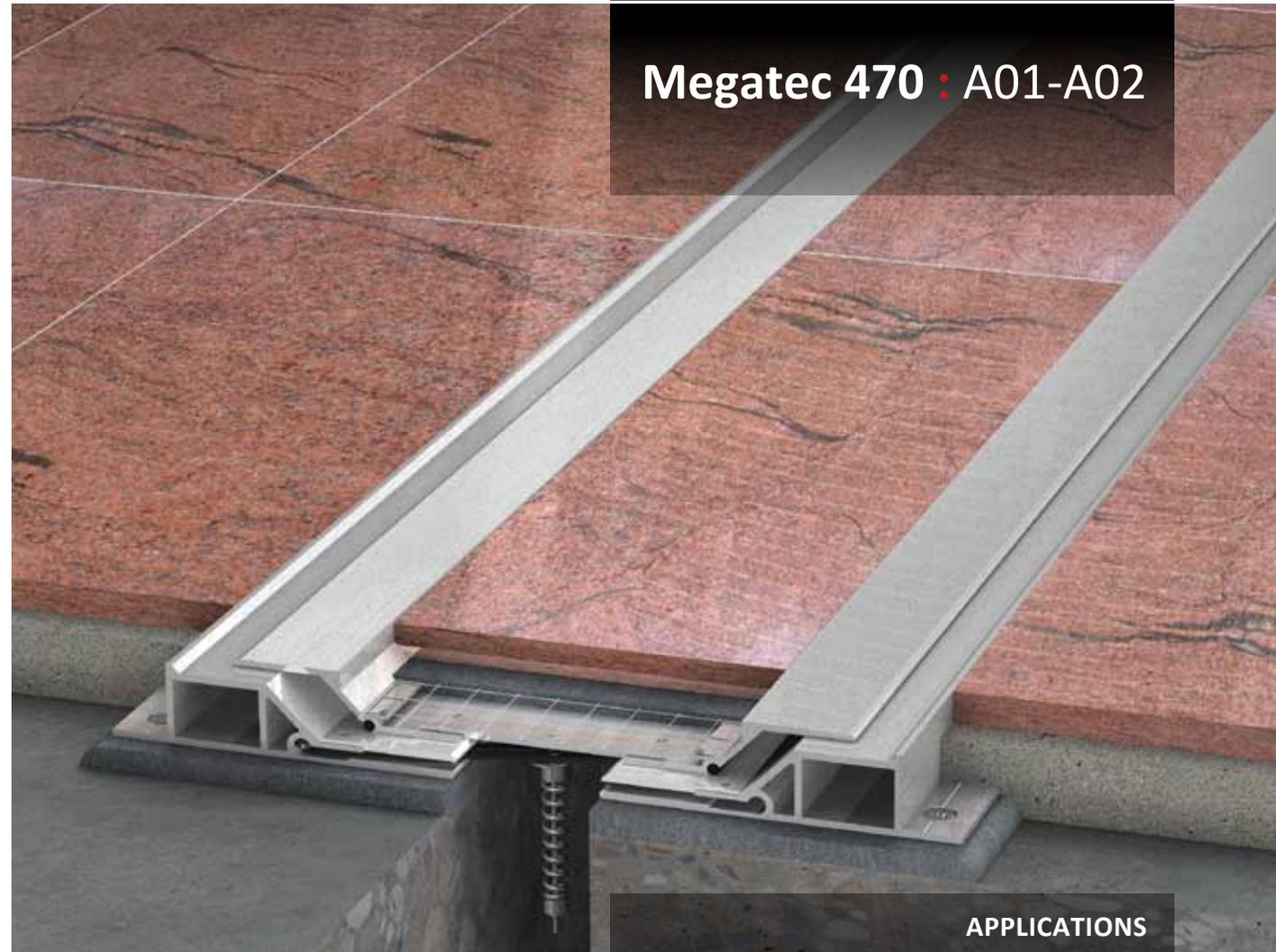
Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	< 100 max per day
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	≤ 10 max per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 25 (50 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 250, 300, 400, 500 mm
Height(s)	55, 70 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	400-A07/A09	pg 130, 131
External Wall	500-A07/A09	pg 144, 145

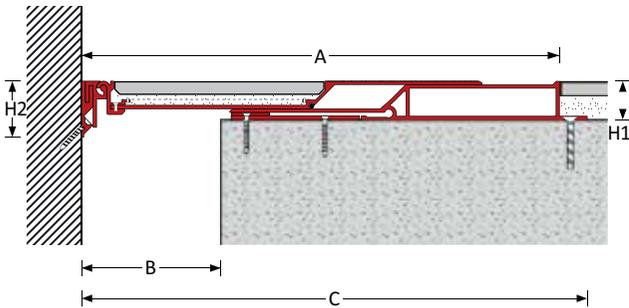
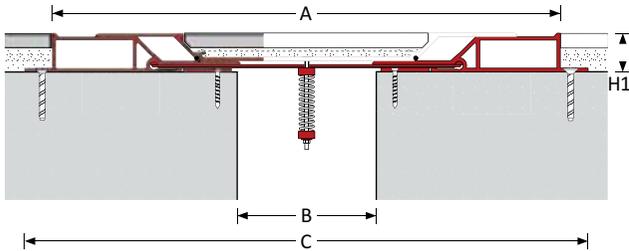
**Megatec 470 : A01-A02****APPLICATIONS**

Exhibition Centres | Distribution & Retail Warehouses
 Department Stores | Supermarkets | Educational
 Residential | Factories | Parking | Roads & Bridges
 Offices & Hotels | Sports Stadiums | Airport Terminals
 Rail, Metros & Elevated Rail Stations | Hospitals
 Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Floor to Floor | Floor to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 480 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	100	± 50	[100]	Group FL3 69kN	-	55: 70	-	189	722	480-A01-100-(H1)
	150	± 75	[150]						772	480-A01-150-(H1)
	200	± 100	[200]	Group FL2 46kN					822	480-A01-200-(H1)
	250	± 125	[250]						922	480-A01-250-(H1)
	300	± 150	[300]						1002	480-A01-300-(H1)
	400	± 200	[400]	Group CP1 36kN					1142	480-A01-400-(H1)
	500	± 250	[500]						1282	480-A01-500-(H1)
Floor - Wall	100	± 50	[100]	Group FL3 69kN	-	55: 70	80	338	615	480-A02-100-(H1)
	150	± 75	[150]						665	480-A02-150-(H1)
	200	± 100	[200]	Group FL2 46kN					715	480-A02-200-(H1)
	250	± 125	[250]						795	480-A02-250-(H1)
	300	± 150	[300]						865	480-A02-300-(H1)
	400	± 200	[400]	Group CP1 36kN					1015	480-A02-400-(H1)
	500	± 250	[500]						1165	480-A02-500-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
3. [Total] shows the total movement range of the joint from fully open to fully closed.
4. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
5. When specifying or ordering please add the height (H1) required to the Product Reference. For example 480-A01-200-055 denotes a joint 55mm high which is suitable for paving up to 20mm deep. On the other hand 450-A01-200-070 denotes a joint 70mm high which is suited to paving up to 30mm deep.

Compatible with

Concrete	Concrete as a wearing surface Thin <1mm floor coatings Resin flooring
Hard Finishes	Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving
Flexible Finishes	Vinyl flooring

Product Synopsis

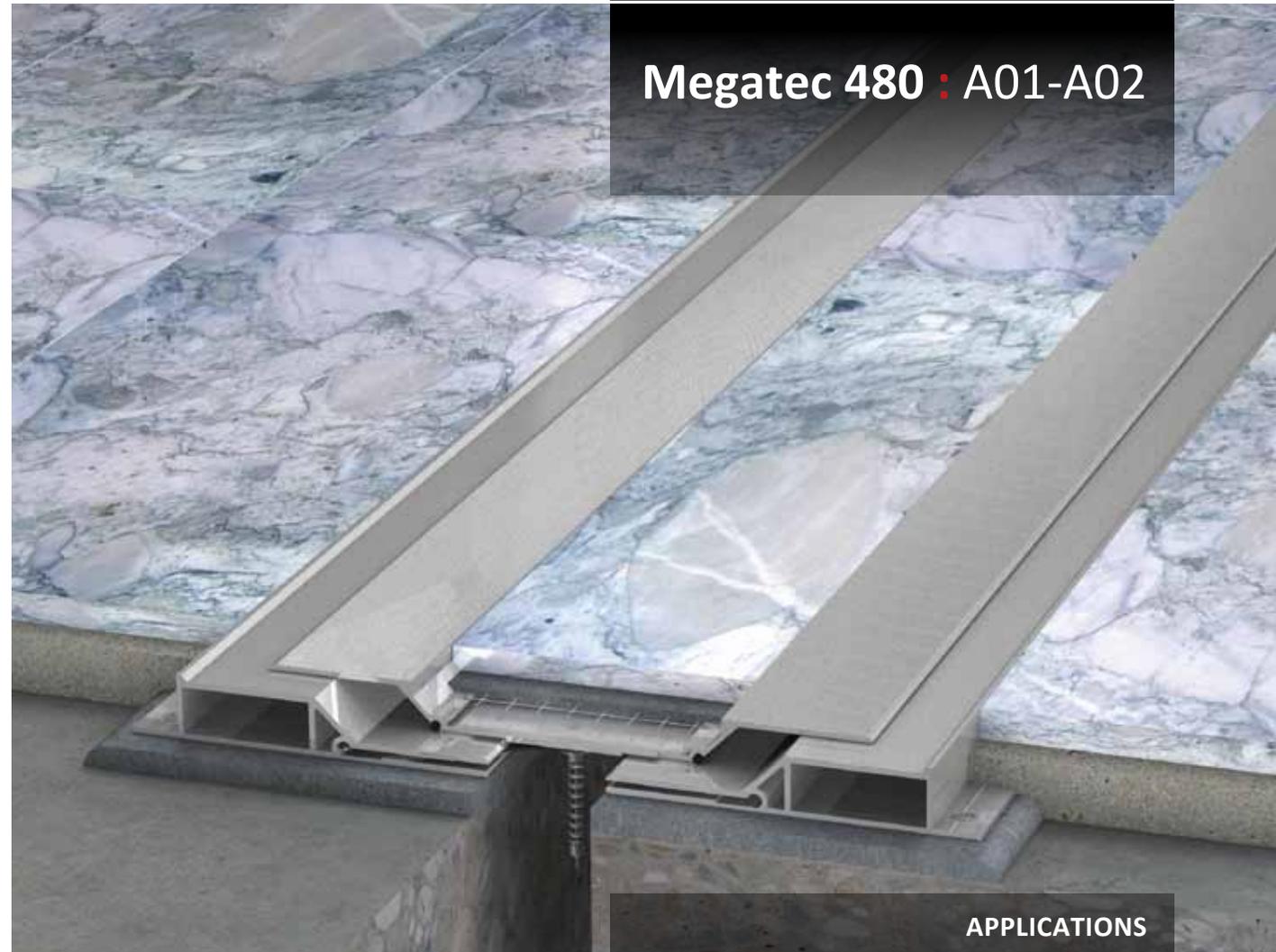
Location	Internal floors
Max Load & Traffic Frequency	
Forklift load	Group FL3: 69kN (≈6.8 tonnes)
Forklift transits	< 100 max per day
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	≤ 10 max per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 50 (100 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 250, 300, 400, 500 mm
Height(s)	55, 70 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Complementary Systems

Internal Wall	400-A07/A09	pg 132, 133
External Wall	500-A07/A09	pg 146, 147

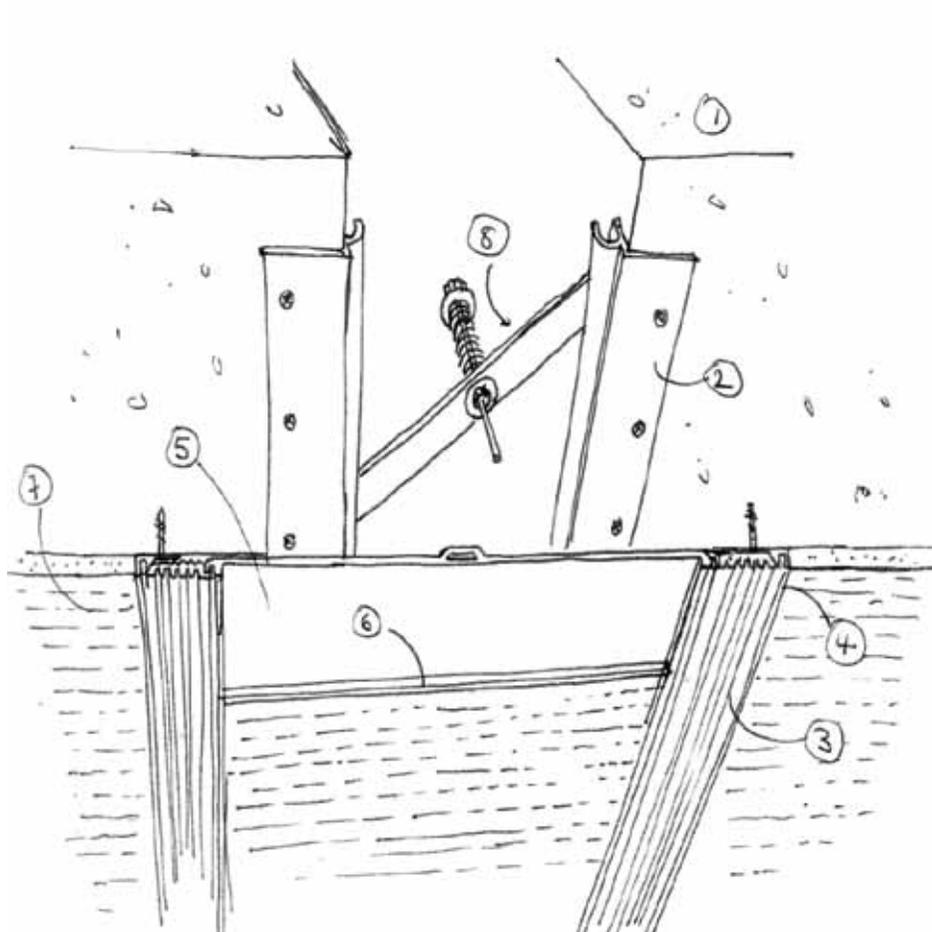
**Megatec 480 : A01-A02****APPLICATIONS**

Exhibition Centres | Distribution & Retail Warehouses
 Department Stores | Supermarkets | Educational
 Residential | Factories | Parking | Roads & Bridges
 Offices & Hotels | Sports Stadiums | Airport Terminals
 Rail, Metros & Elevated Rail Stations | Hospitals
 Museums | Places of Worship | Shopping Centres



Typical Components

- (1) Wall
- (2) Continuous 6063 aluminium wall base frame
- (3) Continuous TPR seal
- (4) Continuous 6063 aluminium wall outer frame
- (5) Continuous 6063 aluminium wall central pan
- (6) Pan infill to match abutting wall Finishes/wearing surface (by others)
- (7) Wall finishes
- (8) Spring-loaded centering bar
- (9) M6 x 50mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw



Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

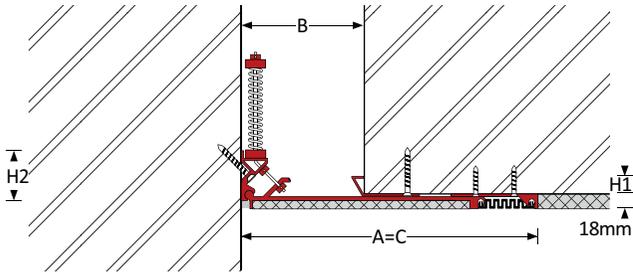
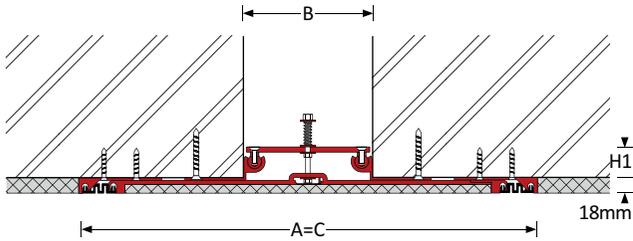
Installation

Full installation instructions are available to download from our website – www.vexcolt.com/installation

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 400 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)				
Wall - Wall	100	+50/-44	[94]	-	-	18	-	54	461	400-A07-100	
	150	± 75	[150]							536	400-A07-150
	200	± 100	[200]							586	400-A07-200
	300	± 150	[300]							686	400-A07-300
	400	± 200	[400]							836	400-A07-400
	500	± 250	[500]							986	400-A07-500
Corner & Ceiling - Wall	100	+50/-26	[76]	-	-	18	99	83	289	400-A09-100	
	150	± 75	[150]							364	400-A09-150
	200	± 100	[200]							439	400-A09-200
	300	± 150	[300]				174			589	400-A09-300
	400	± 200	[400]							739	400-A09-400
	500	± 250	[500]							889	400-A09-500

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 400 : A07-A09

Compatible with

Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 6 (12 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



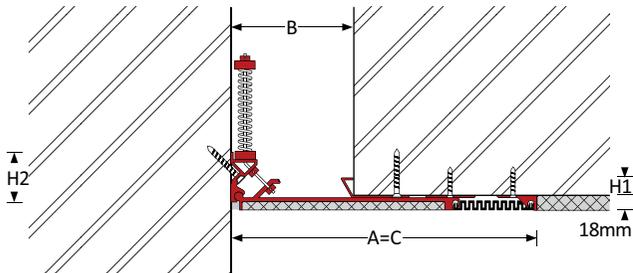
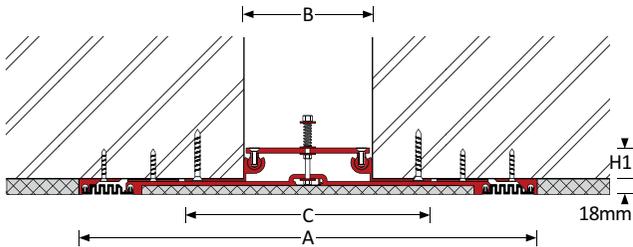
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 410 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number		
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)					
Wall - Wall	100	+50/-44	[94]	-	-	18	-	74	486	410-A07-100		
	150	± 75	[150]							536	410-A07-150	
	200	± 100	[200]							586	410-A07-200	
	300	± 150	[300]							725	410-A07-300	
	400	± 200	[400]							875	410-A07-400	
	500	± 250	[500]							1025	410-A07-500	
Corner & Ceiling - Wall	100	+50/-26	[76]	-	-	18	99	113	301	410-A09-100		
	150	± 75	[150]							174	376	410-A09-150
	200	± 100	[200]								451	410-A09-200
	300	± 150	[300]				601		410-A09-300			
	400	± 200	[400]				751		410-A09-400			
	500	± 250	[500]				901		410-A09-500			

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 410 : A07-A09

Compatible with

Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 12 (25 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



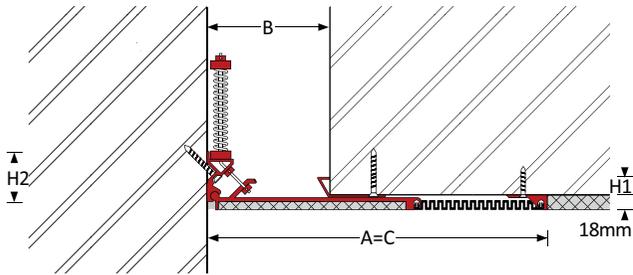
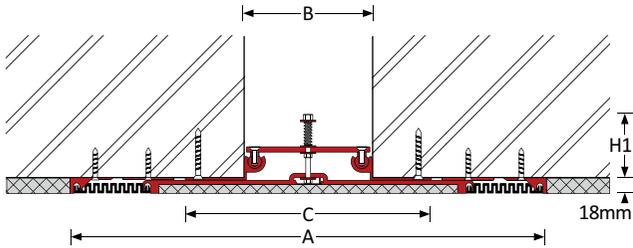
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 420 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)				
Wall - Wall	100	+50/-44	[94]	-	-	18	-	104	486	420-A07-100	
	150	± 75	[150]							557	420-A07-150
	200	± 100	[200]							633	420-A07-200
	300	± 150	[300]							783	420-A07-300
	400	± 200	[400]							933	420-A07-400
	500	± 250	[500]							1083	420-A07-500
Corner & Ceiling - Wall	100	+50/-26	[76]	-	-	18	99	173	342	420-A09-100	
	150	± 75	[150]							417	420-A09-150
	200	± 100	[200]								493
	300	± 150	[300]				174		642	420-A09-300	
	400	± 200	[400]							792	420-A09-400
	500	± 250	[500]								942

1. Gap width indicates the nominal expansion gap width before movement occurs
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 420 : A07-A09

Compatible with

Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 25 (50 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



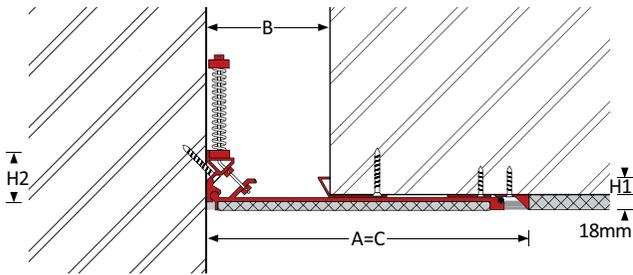
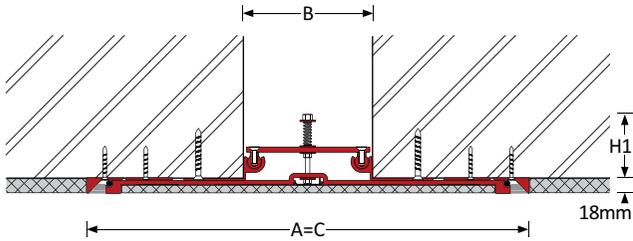
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 450 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Wall - Wall	100	+50/-44	[94]	-	-	18	-	29	462	450-A07-100
	150	± 75	[150]							450-A07-150
	200	± 100	[200]							450-A07-200
	250	± 125	[250]							450-A07-250
	300	± 150	[300]							450-A07-300
	400	± 200	[400]							450-A07-400
	500	± 250	[500]							450-A07-500
Corner & Ceiling - Wall	100	+50/-26	[76]	-	-	18	99	41	292	450-A09-100
	150	± 75	[150]							450-A09-150
	200	± 100	[200]							450-A09-200
	250	± 125	[250]							450-A09-250
	300	± 150	[300]				450-A09-300			
	400	± 200	[400]				450-A09-400			
	500	± 250	[500]				450-A09-500			

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
3. [Total] shows the total movement range of the joint from fully open to fully closed.
4. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 450 : A07-A09

Compatible with

Wall Finishes	Drywall
	Plaster
	Render
	Paint finishes
	Ceramic tiles
	Natural stone

Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 12 (25 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 250
	300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	To match finishes (by others)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



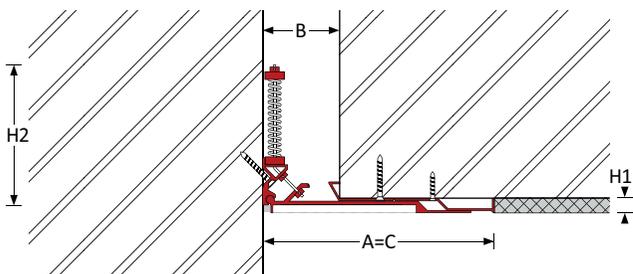
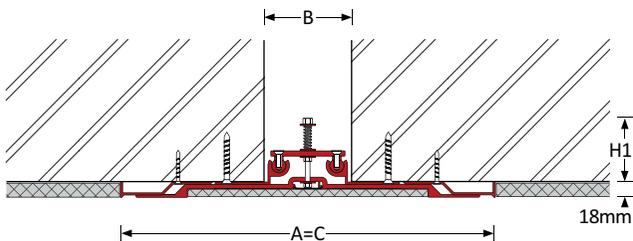
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 460 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)			
Wall - Wall	100	+50	[100]	-	-	18	-	89	433	460-A07-100
	150	± 75	[150]						528	460-A07-150
	200	± 100	[200]						578	460-A07-200
	250	± 125	[250]						628	460-A07-250
	300	± 150	[300]						728	460-A07-300
	400	± 200	[400]						878	460-A07-400
	500	± 250	[500]						1028	460-A07-500
Corner & Ceiling - Wall	100	+50/-25	[75]	-	-	18	99	113	300	460-A09-100
	150	± 75	[150]						375	460-A09-150
	200	± 100	[200]						450	460-A09-200
	250	± 125	[250]						525	460-A09-250
	300	± 150	[300]				174		600	460-A09-300
	400	± 200	[400]						750	460-A09-400
	500	± 250	[500]						900	460-A09-500

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Compatible with

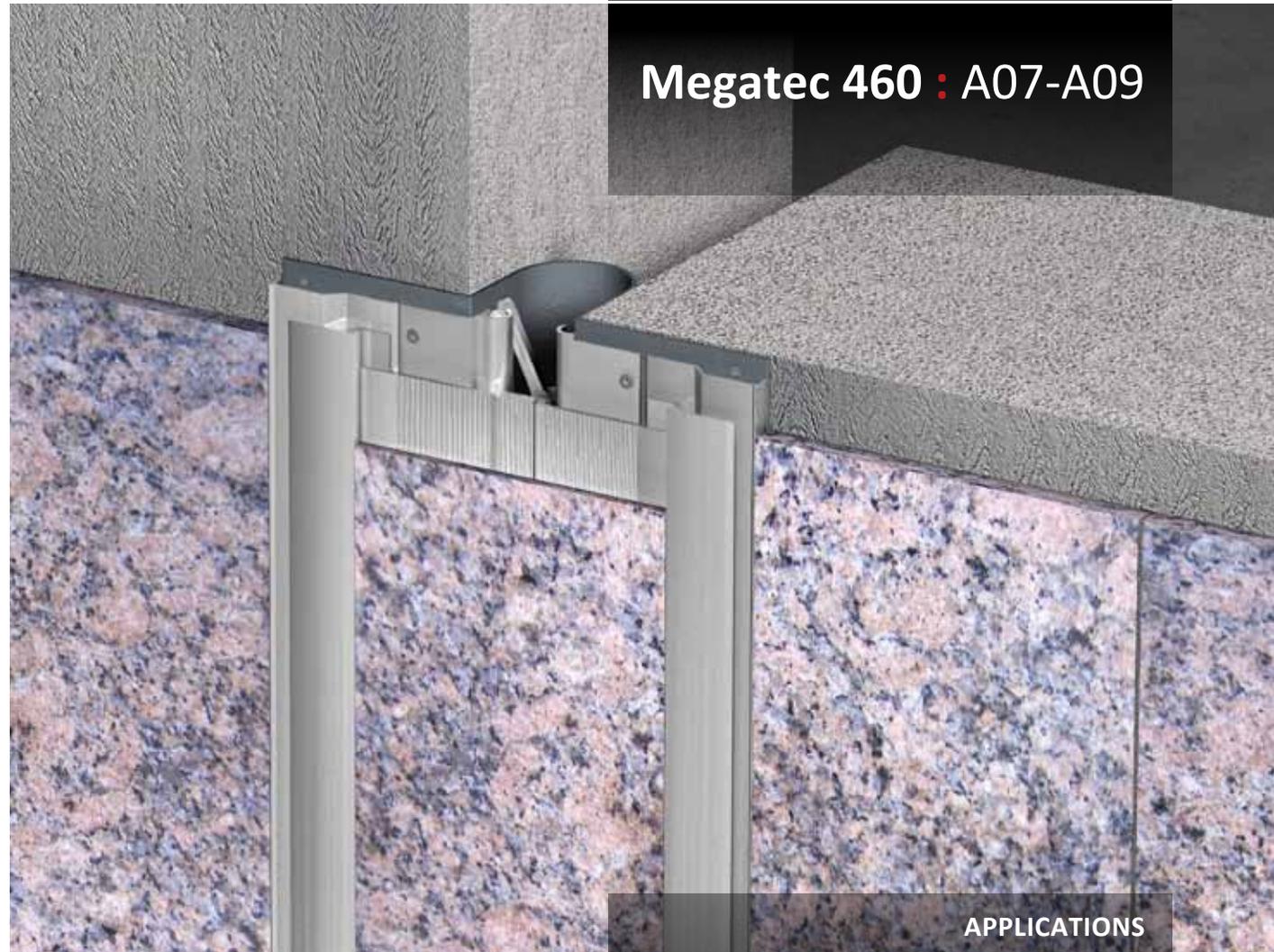
Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	+ 25 (50 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 250, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Megatec 460 : A07-A09

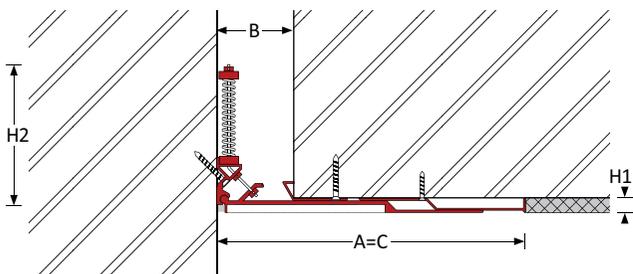
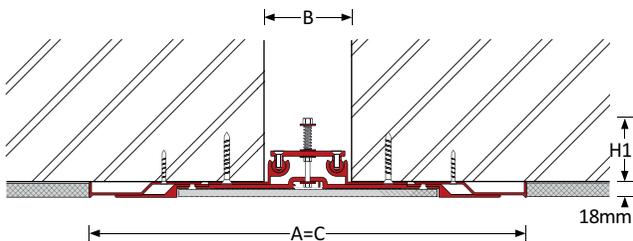
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 470 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)				
Wall - Wall	100	+50	[100]	-	-	18	-	114	506	470-A07-100	
	150	± 75	[150]							556	470-A07-150
	200	± 100	[200]							606	470-A07-200
	250	± 125	[250]							696	470-A07-250
	300	± 150	[300]							786	470-A07-300
	400	± 200	[400]							926	470-A07-400
	500	± 250	[500]							1071	470-A07-500
Corner & Ceiling - Wall	100	+50/-25	[75]	-	-	18	99	189	400	470-A09-100	
	150	± 75	[150]							450	470-A09-150
	200	± 100	[200]							540	470-A09-200
	250	± 125	[250]							610	470-A09-250
	300	± 150	[300]				174			680	470-A09-300
	400	± 200	[400]							825	470-A09-400
	500	± 250	[500]							975	470-A09-500

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Compatible with

Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	+ 50 (100 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 250, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Megatec 470 : A07-A09

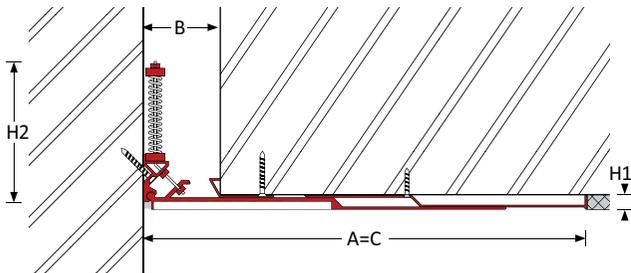
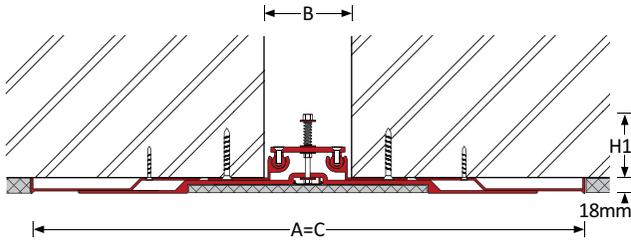
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 480 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Wall - Wall	100	+50	[100]	-	-	18	-	189	642	480-A07-100
	150	± 75	[150]						692	480-A07-150
	200	± 100	[200]						742	480-A07-200
	250	± 125	[250]						842	480-A07-250
	300	± 150	[300]						922	480-A07-300
	400	± 200	[400]						1062	480-A07-400
	500	± 250	[500]						1202	480-A07-500
Corner & Ceiling - Wall	100	+50/-25	[75]	-	-	18	99	338	575	480-A09-100
	150	± 75	[150]						625	480-A09-150
	200	± 100	[200]						675	480-A09-200
	250	± 125	[250]						755	480-A09-250
	300	± 150	[300]						825	480-A09-300
	400	± 200	[400]						975	480-A09-400
	500	± 250	[500]						1125	480-A09-500

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Compatible with

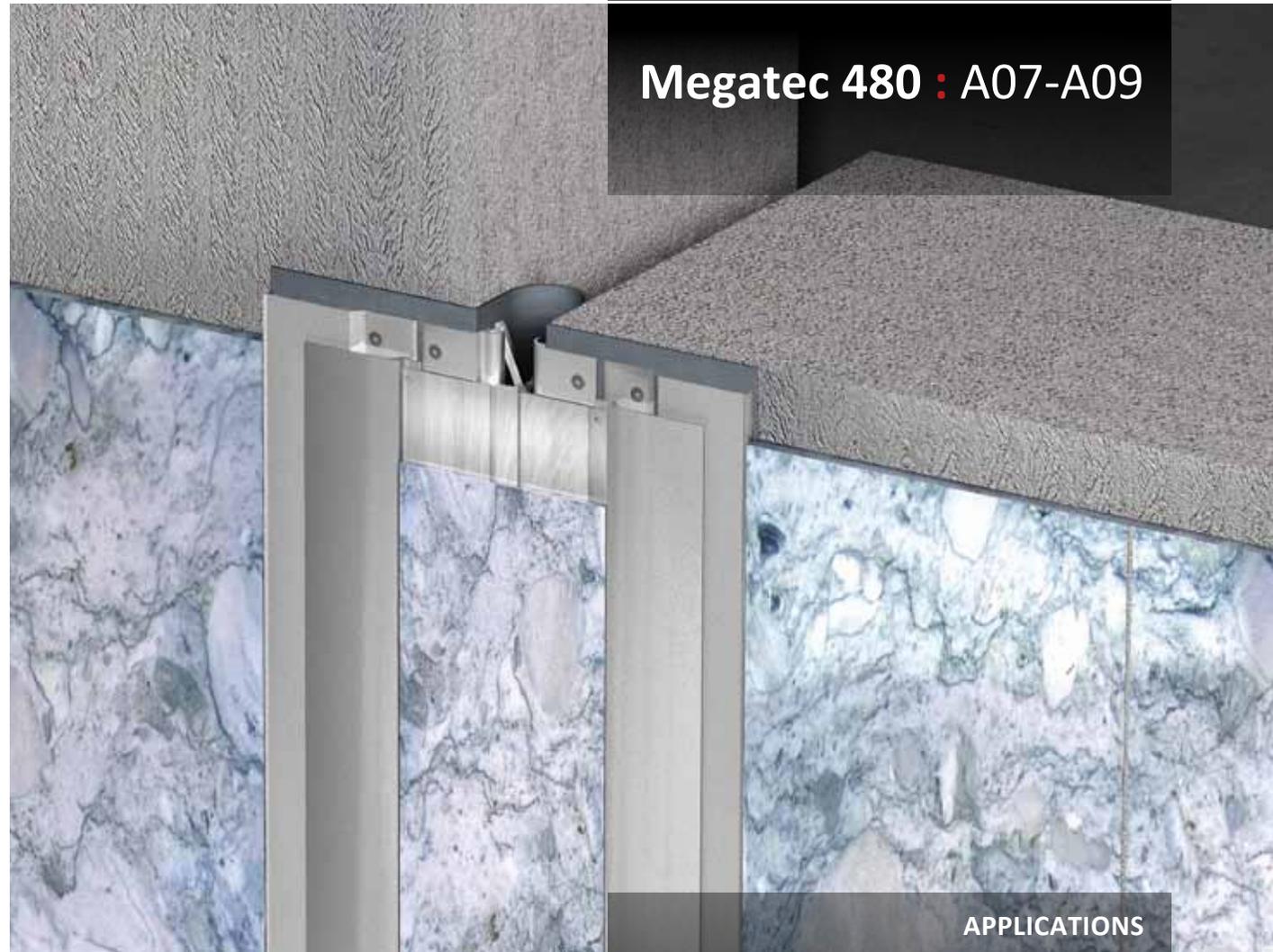
Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone
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Product Synopsis

Location	Internal walls
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 100 (200 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 250, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	No seal used
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

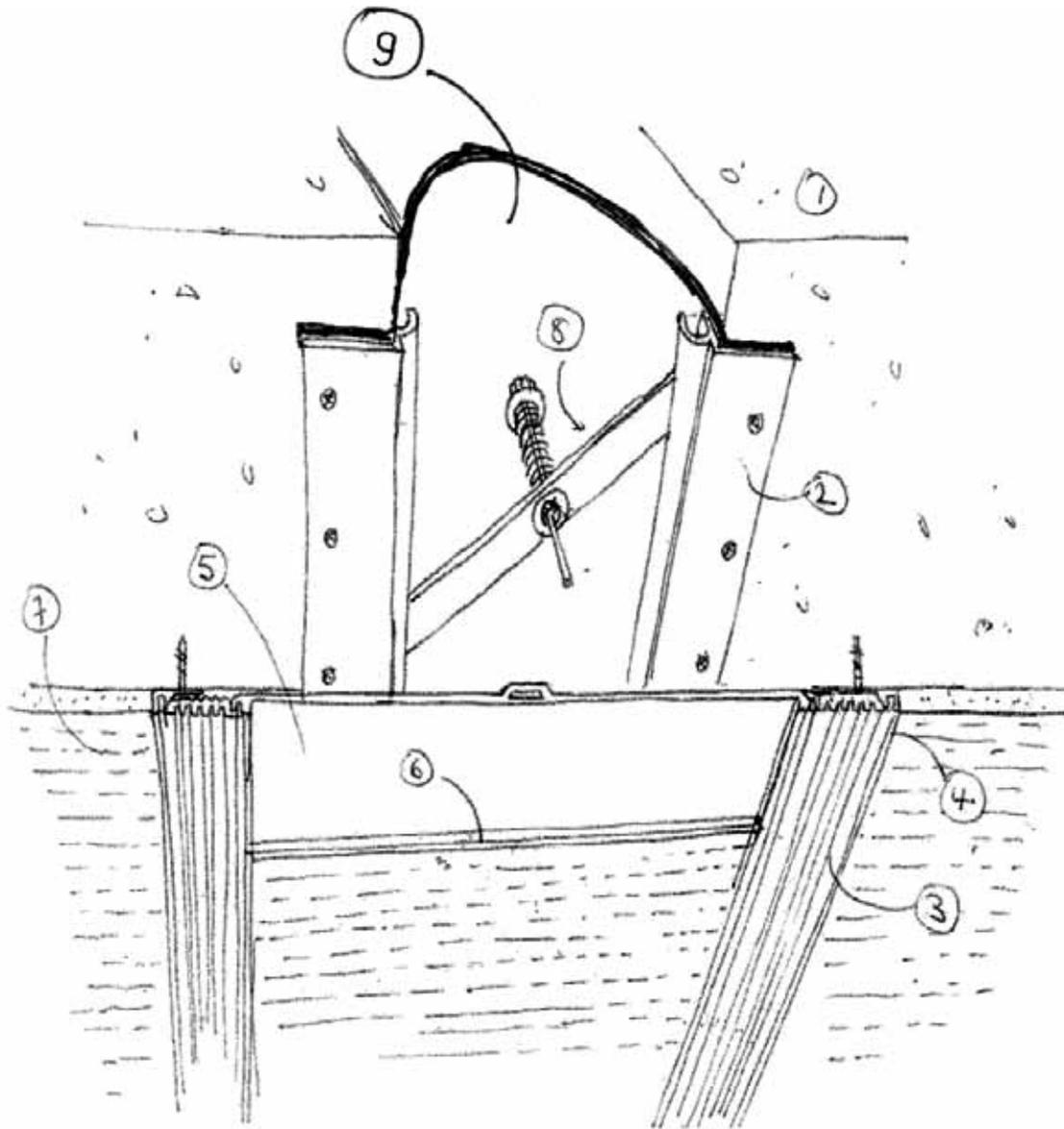


Megatec 480 : A07-A09

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres





Typical Components

- (1) Wall
- (2) Continuous 6063 aluminium wall base frame
- (3) Continuous TPR seal
- (4) Continuous 6063 aluminium wall outer frame
- (5) Continuous 6063 aluminium wall central pan
- (6) Pan infill to match abutting wall Finishes/Wearing surface (by others)
- (7) Wall Finishes
- (8) Spring-loaded centering bar
- (9) Waterproofing membrane (by others)
- (10) M6 x 50mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

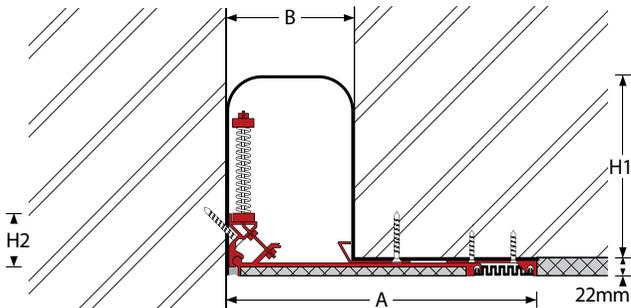
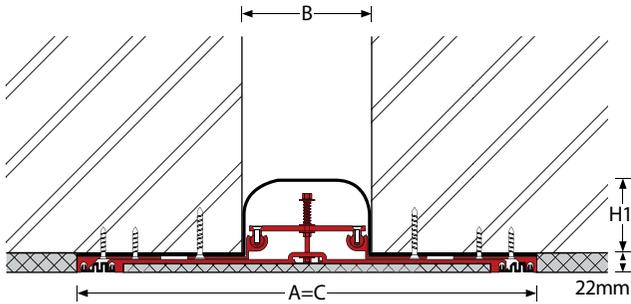
Full installation instructions are available to download from our website – www.vexcolt.com/installation

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Megatec 500 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Wall - Wall	100	+50/-44	[94]	-	-	18	-	54	461	500-A07-100
	150	± 75	[150]							500-A07-150
	200	± 100	[200]							500-A07-200
	300	± 150	[300]							500-A07-300
	400	± 200	[400]							500-A07-400
	500	± 250	[500]							500-A07-500
Corner & Ceiling - Wall	100	+50/-26	[76]	-	-	18	99	83	289	500-A09-100
	150	± 75	[150]							500-A09-150
	200	± 100	[200]							500-A09-200
	300	± 150	[300]				174		500-A09-300	
	400	± 200	[400]						500-A09-400	
	500	± 250	[500]						500-A09-500	

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
3. [Total] shows the total movement range of the joint from fully open to fully closed.
4. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 500 : A07-A09

Compatible with

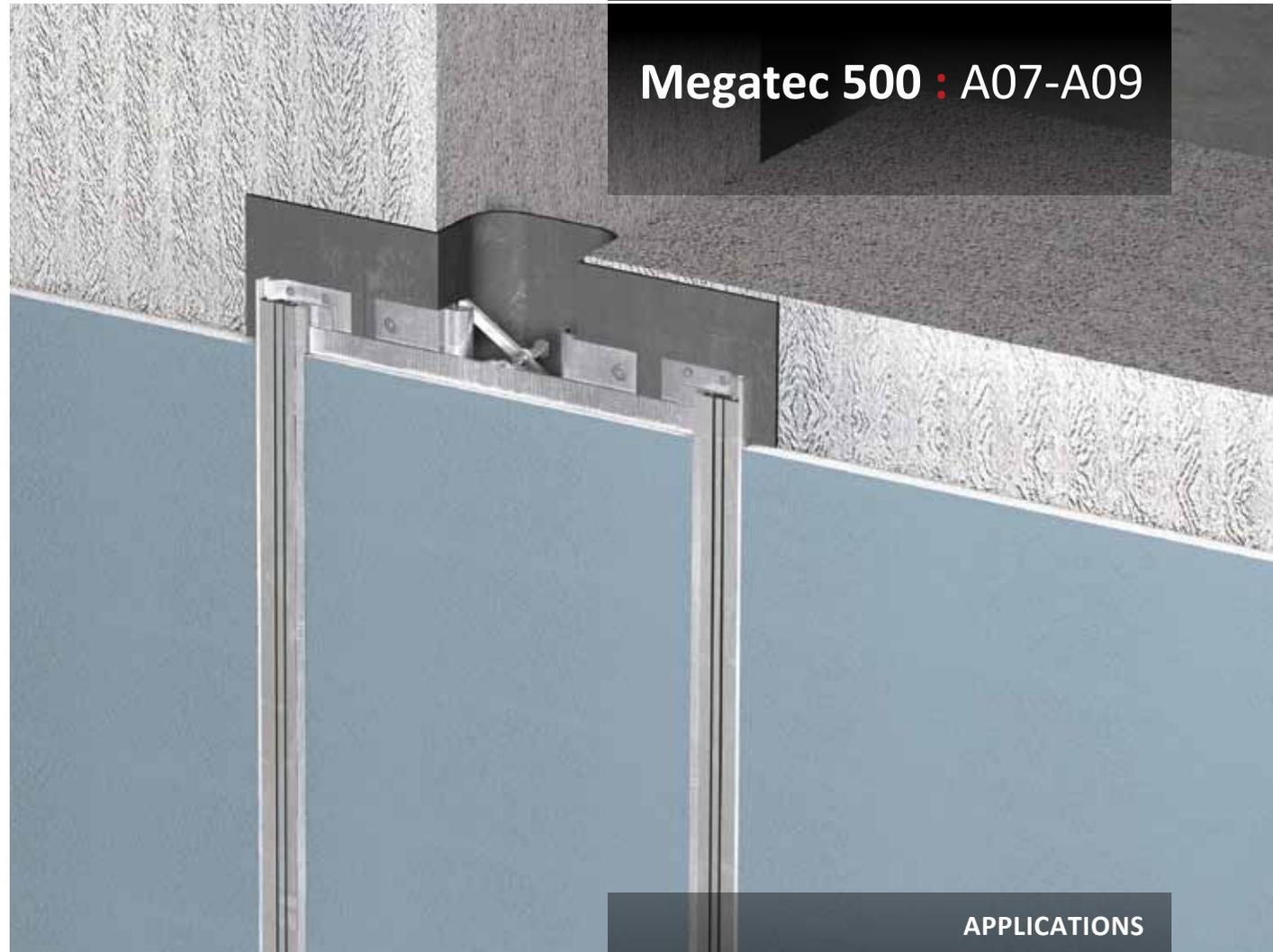
Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone External cladding Curtain wall
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Product Synopsis

Location	External walls
Max Load & Traffic Frequency	
Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Not Applicable
Road Transport transits	Not Applicable
Pedestrian transits	Not Applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 6 (12 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



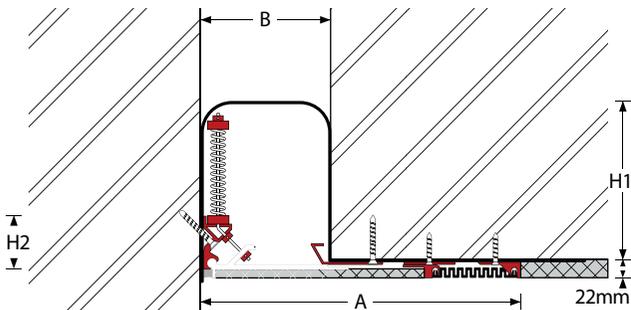
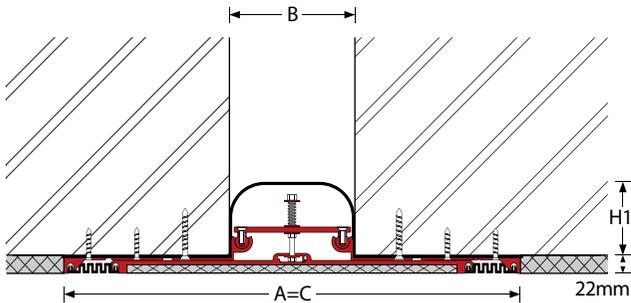
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 510 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Wall - Wall	100	+50/-44	[94]	-	-	18	-	74	486	510-A07-100
	150	± 75	[150]						536	510-A07-150
	200	± 100	[200]						586	510-A07-200
	300	± 150	[300]						725	510-A07-300
	400	± 200	[400]						875	510-A07-400
	500	± 250	[500]						1025	510-A07-500
Corner & Ceiling - Wall	100	+50/-26	[76]	-	-	18	99	113	301	510-A09-100
	150	± 75	[150]						376	510-A09-150
	200	± 100	[200]						451	510-A09-200
	300	± 150	[300]				174		601	510-A09-300
	400	± 200	[400]						751	510-A09-400
	500	± 250	[500]						901	510-A09-500

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 510 : A07-A09

Compatible with

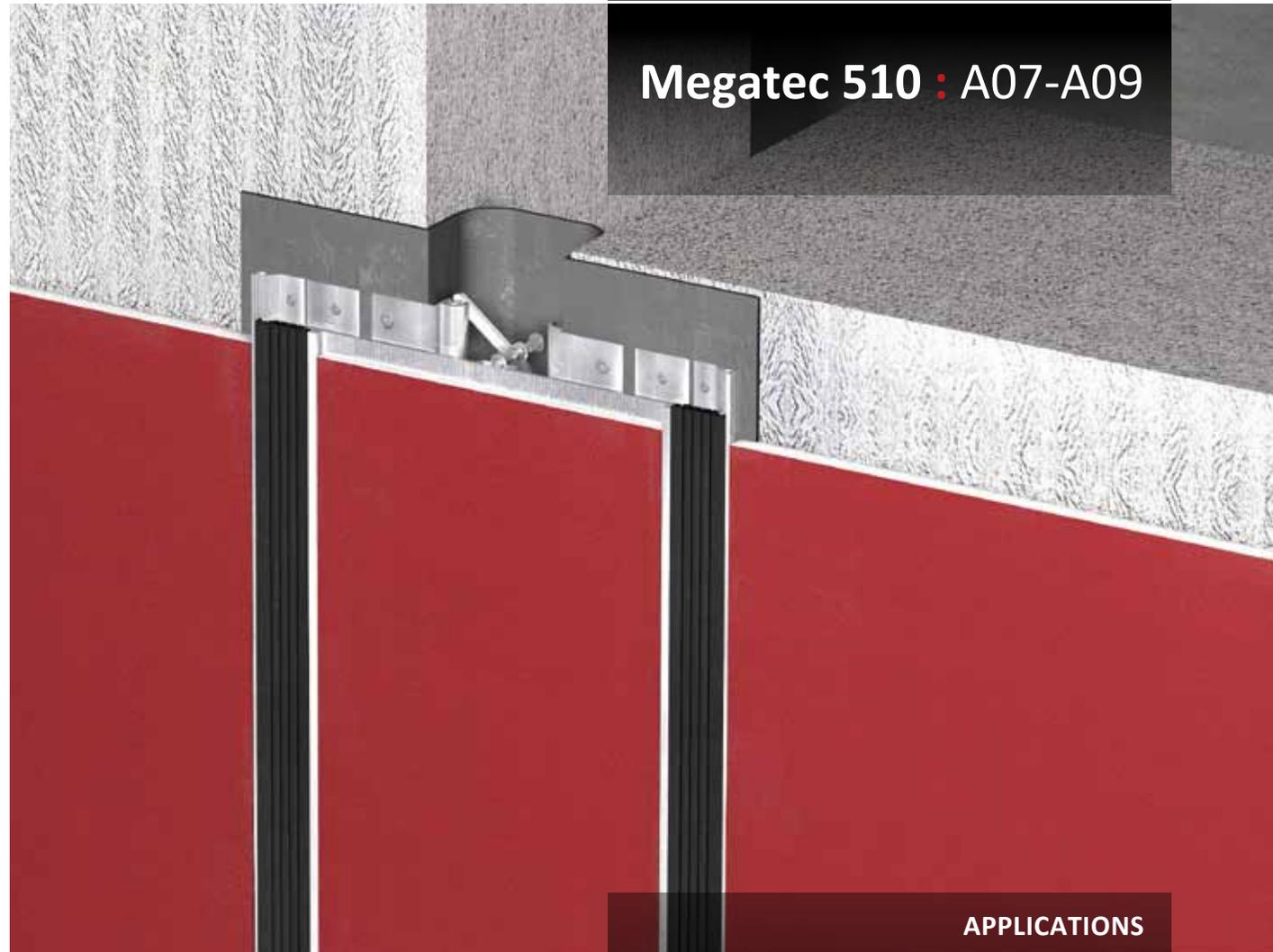
Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone External cladding Curtain wall
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Product Synopsis

Location	External walls
Max Load & Traffic Frequency	
Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Not Applicable
Road Transport transits	Not Applicable
Pedestrian transits	Not Applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 12 (25 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



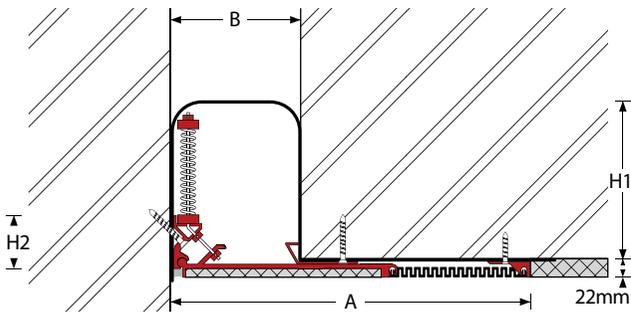
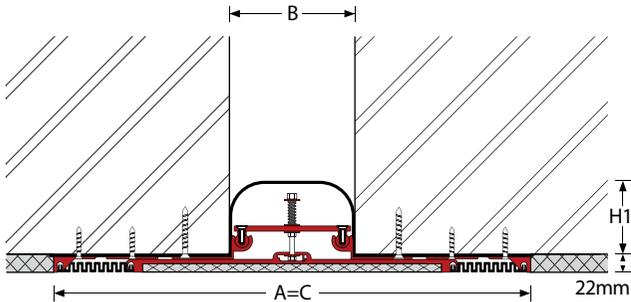
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 520 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Wall - Wall	100	+50/-44	[94]	-	-	18	-	104	486	520-A07-100
	150	± 75	[150]						557	520-A07-150
	200	± 100	[200]						633	520-A07-200
	300	± 150	[300]						783	520-A07-300
	400	± 200	[400]						933	520-A07-400
	500	± 250	[500]						1083	520-A07-500
Corner & Ceiling - Wall	100	+50/-26	[76]	-	-	18	99	173	346	520-A09-100
	150	± 75	[150]						417	520-A09-150
	200	± 100	[200]						493	520-A09-200
	300	± 150	[300]				174		642	520-A09-300
	400	± 200	[400]						792	520-A09-400
	500	± 250	[500]						942	520-A09-500

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 520 : A07-A09

Compatible with

Wall Finishes	Drywall
	Plaster
	Render
	Paint finishes
	Ceramic tiles
	Natural stone
	External cladding
	Curtain wall

Product Synopsis

Location	External walls
Max Load & Traffic Frequency	
Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Not Applicable
Road Transport transits	Not Applicable
Pedestrian transits	Not Applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 25 (50 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021) Grey (RAL 7038) Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

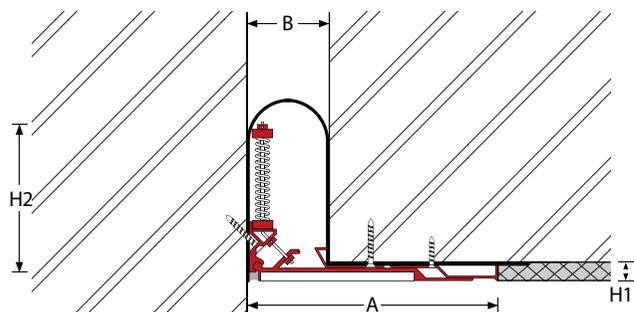
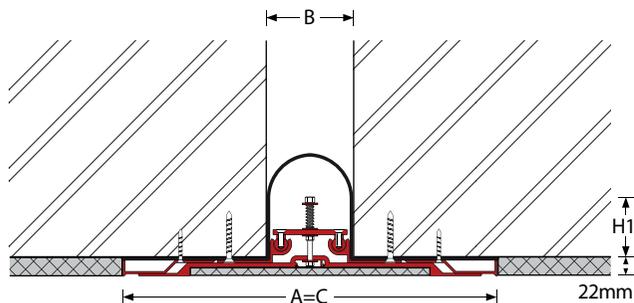
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Megatec 560 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Wall - Wall	100	+50	[100]	-	-	18	-	89	433	560-A07-100
	150	± 75	[150]						528	560-A07-150
	200	± 100	[200]						578	560-A07-200
	250	± 125	[250]						628	560-A07-250
	300	± 150	[300]						728	560-A07-300
	400	± 200	[400]						878	560-A07-400
	500	± 250	[500]						1028	560-A07-500
Corner & Ceiling - Wall	100	+50/-25	[75]	-	-	18	99	113	300	560-A09-100
	150	± 75	[150]						375	560-A09-150
	200	± 100	[200]						450	560-A09-200
	250	± 125	[250]				525		560-A09-250	
	300	± 150	[300]				600		560-A09-300	
	400	± 200	[400]				750		560-A09-400	
	500	± 250	[500]				900		560-A09-500	

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 560 : A07-A09

Compatible with

Wall Finishes	Drywall Plaster Render Paint finishes Ceramic tiles Natural stone External cladding Curtain wall
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Product Synopsis

Location	External walls
Max Load & Traffic Frequency	
Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Not Applicable
Road Transport transits	Not Applicable
Pedestrian transits	Not Applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 12 (25 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	Mill finish Aluminium Optionally 25 micron clear satin anodised finish
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

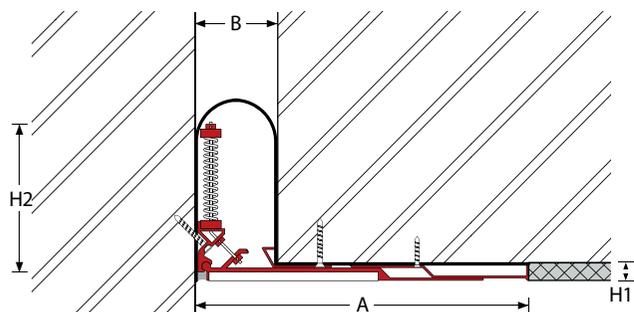
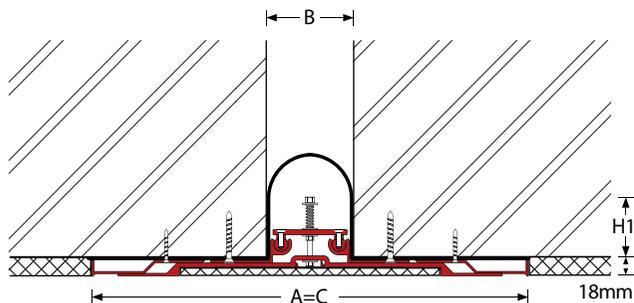
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Megatec 570 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number	
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)				
Wall - Wall	100	+50	[100]	-	-	18	-	114	506	570-A07-100	
	150	± 75	[150]							556	570-A07-150
	200	± 100	[200]							606	570-A07-200
	250	± 125	[250]							696	570-A07-250
	300	± 150	[300]							786	570-A07-300
	400	± 200	[400]							926	570-A07-400
	500	± 250	[500]							1071	570-A07-500
Corner & Ceiling - Wall	100	+50/-25	[75]	-	-	18	99	189	400	570-A09-100	
	150	± 75	[150]						450	570-A09-150	
	200	± 100	[200]						540	570-A09-200	
	250	± 125	[250]				174		610	570-A09-250	
	300	± 150	[300]						680	570-A09-300	
	400	± 200	[400]						825	570-A09-400	
	500	± 250	[500]						975	570-A09-500	

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Compatible with

Wall Finishes	Drywall
	Plaster
	Render
	Paint finishes
	Ceramic tiles
	Natural stone
	External cladding
	Curtain wall

Product Synopsis

Location	External walls
Max Load & Traffic Frequency	
Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Not Applicable
Road Transport transits	Not Applicable
Pedestrian transits	Not Applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 25 (50 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	Mill finish Aluminium Optionally 25 micron clear satin anodised finish
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Megatec 570 : A07-A09

APPLICATIONS

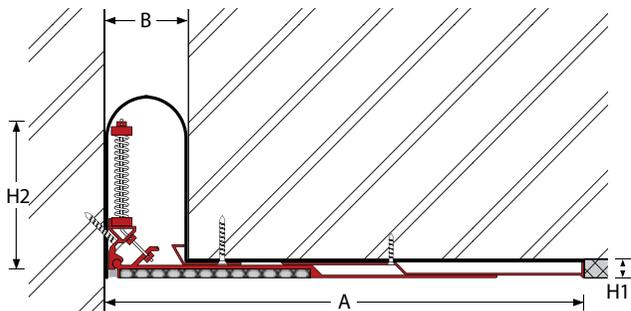
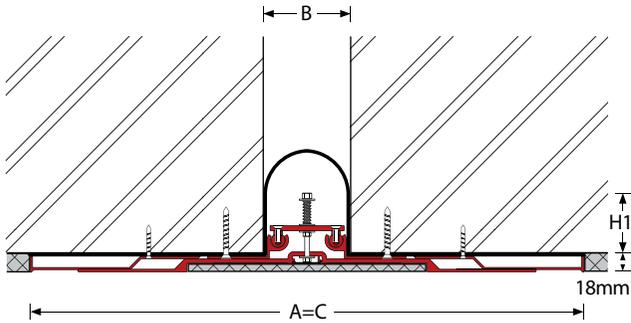
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Megatec 580 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Wall - Wall	100	+50	[100]	-	-	18	-	189	642	580-A07-100
	150	± 75	[150]						692	580-A07-150
	200	± 100	[200]						742	580-A07-200
	250	± 125	[250]						842	580-A07-250
	300	± 150	[300]						922	580-A07-300
	400	± 200	[400]						1062	580-A07-400
	500	± 250	[500]						1202	580-A07-500
Corner & Ceiling - Wall	100	+50/-25	[75]	-	-	18	99	338	575	580-A09-100
	150	± 75	[150]						625	580-A09-150
	200	± 100	[200]						675	580-A09-200
	250	± 125	[250]				174		755	580-A09-250
	300	± 150	[300]						825	580-A09-300
	400	± 200	[400]						975	580-A09-400
	500	± 250	[500]						1125	580-A09-500

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

EXTERNAL POP-UP EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 580 : A07-A09

Compatible with

Wall Finishes	Drywall
	Plaster
	Render
	Paint finishes
	Ceramic tiles
	Natural stone
	External cladding
	Curtain wall

Product Synopsis

Location	External walls
Max Load & Traffic Frequency	
Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Not Applicable
Road Transport transits	Not Applicable
Pedestrian transits	Not Applicable
Movement	
Direction	Horizontal and shear
Max. thermal movement	± 50 (100 mm) horizontal
Max. seismic movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

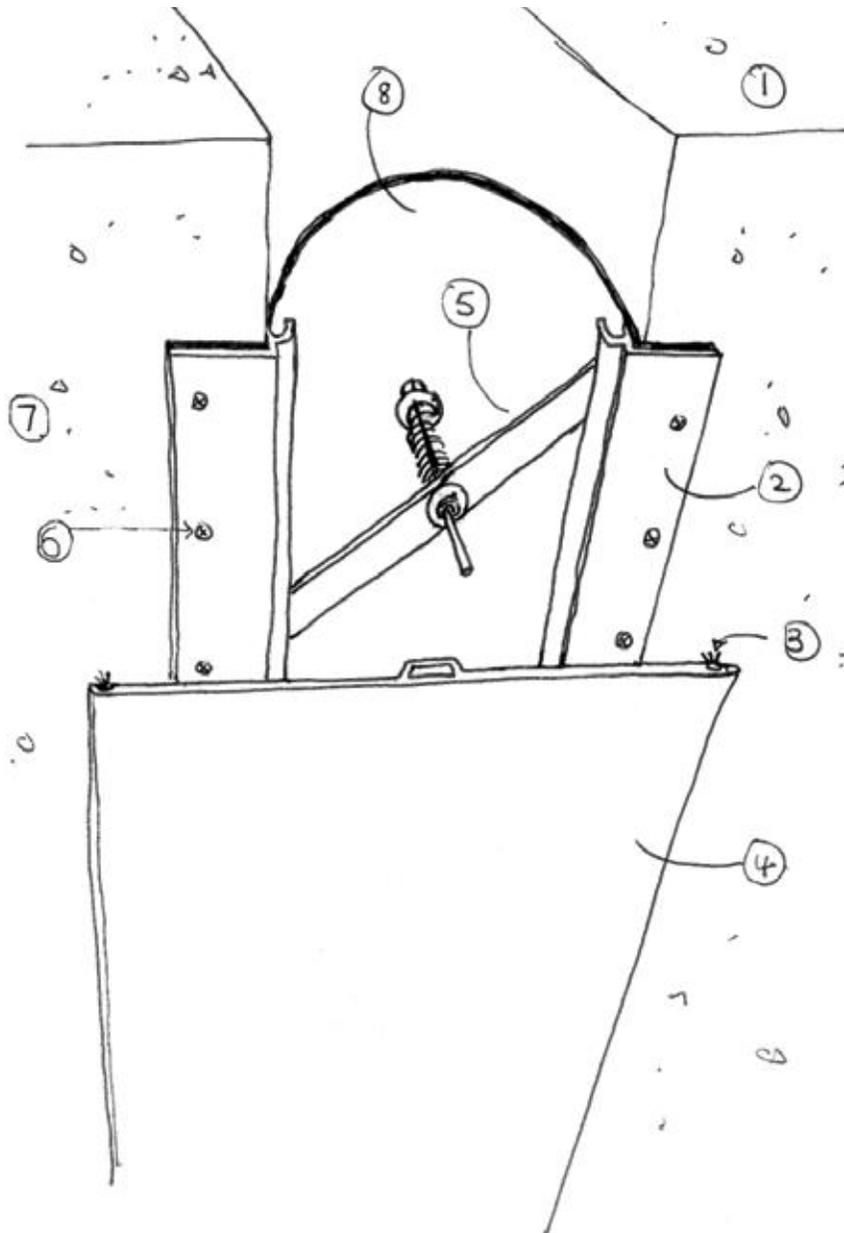
Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	Mill finish Aluminium Optionally 25 micron clear satin anodised finish
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres





Typical Components

- (1) Wall
- (2) Continuous 6063 aluminium wall base frame
- (3) Continuous seal
- (4) Continuous 6063 aluminium wall centre plate
- (5) Spring-loaded centering bar
- (6) M6 x 50mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw
- (7) Wall Finishes
- (8) Torch applied waterproofing membrane (by others)

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

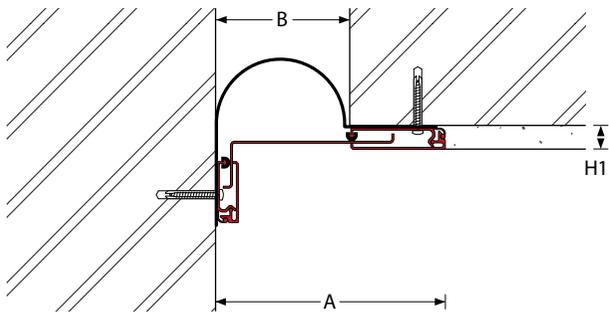
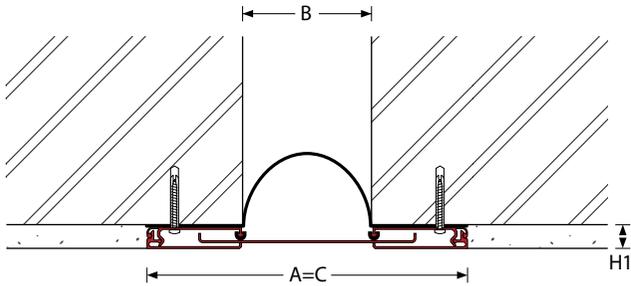
Full installation instructions are available to download from our website – www.vexcolt.com/installation

EXTERNAL CENTRE PLATE EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall

25 - 200 mm (1 - 8") Expansion Gaps

Megatec 530 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)			
Wall - Wall	25	± 12	[25]	-	-	16	-	118	118	530-A07-025
	50	± 25	[50]					143	143	530-A07-050
	75	± 37	[75]					197	197	530-A07-075
	100	± 50	[100]					244	244	530-A07-100
	150	± 75	[150]					347	347	530-A07-150
	200	± 100	[200]					448	448	530-A07-200
Corner & Ceiling - Wall	25	± 6	[12]	-	-	16	72	56	72	530-A09-025
	50	± 12	[25]					81	97	530-A09-050
	75	± 19	[37]					121	137	530-A09-075
	100	± 25	[50]					158	174	530-A09-100
	150	± 37	[75]					234	250	530-A09-150
	200	± 50	[100]					310	326	530-A09-200

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

EXTERNAL CENTRE PLATE EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
25 - 200 mm (1 - 8") Expansion Gaps

Compatible with

Wall Finishes	Drywall
	Plaster
	Render
	Paint finishes
	Ceramic tiles
	Natural stone
	External cladding
	Curtain wall

Product Synopsis

Location	External walls
Max Load & Traffic Frequency	
Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Not Applicable
Road Transport transits	Not Applicable
Pedestrian transits	Not Applicable
Movement	
Direction	Horizontal shear & limited vertical
Max. movement	± 100 (200 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	25, 50, 75, 100, 150, 200 mm
Height(s)	16 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	25 micron clear satin anodised finished Aluminium
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Megatec 530 : A07-A09

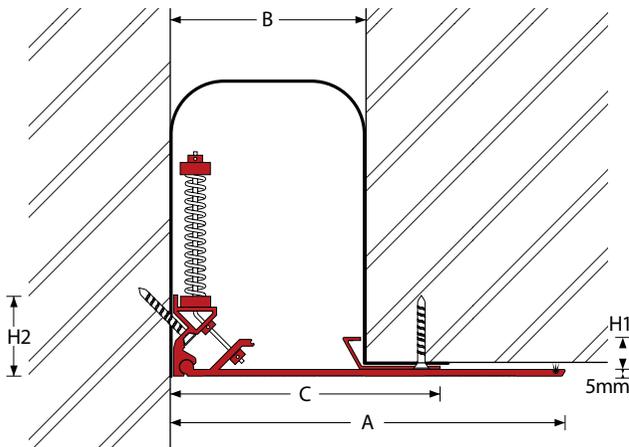
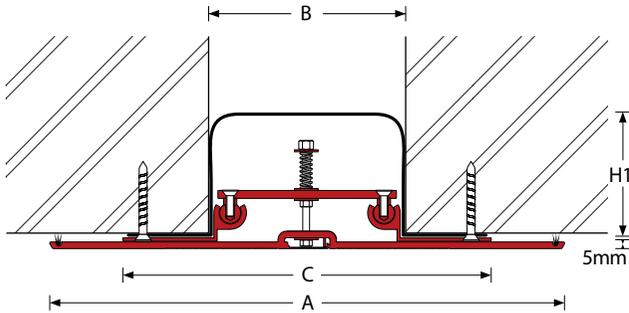
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

EXTERNAL CENTRE PLATE EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 540 : A07-A09



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)			
Wall - Wall	100	+50/-44	[94]	-	-	8	-	304	-	540-A07-100
	150	± 75	[150]					392		540-A07-150
	200	± 100	[200]					452		540-A07-200
	300	± 150	[300]					602		540-A07-300
	400	± 200	[400]					752		540-A07-400
	500	± 250	[500]					902		540-A07-500
Corner & Ceiling - Wall	100	+50/-26	[76]	-	-	8	99	225	-	540-A09-100
	150	± 75	[150]				300	540-A09-150		
	200	± 100	[200]				375	540-A09-200		
	300	± 150	[300]				525	540-A09-300		
	400	± 200	[400]				675	540-A09-400		
	500	± 250	[500]				825	540-A09-500		

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

EXTERNAL CENTRE PLATE EXPANSION JOINT

Wall to Wall | Corner & Ceiling to Wall
100 - 500 mm (4 - 20") Expansion Gaps

Megatec 540 : A07-A09

Compatible with

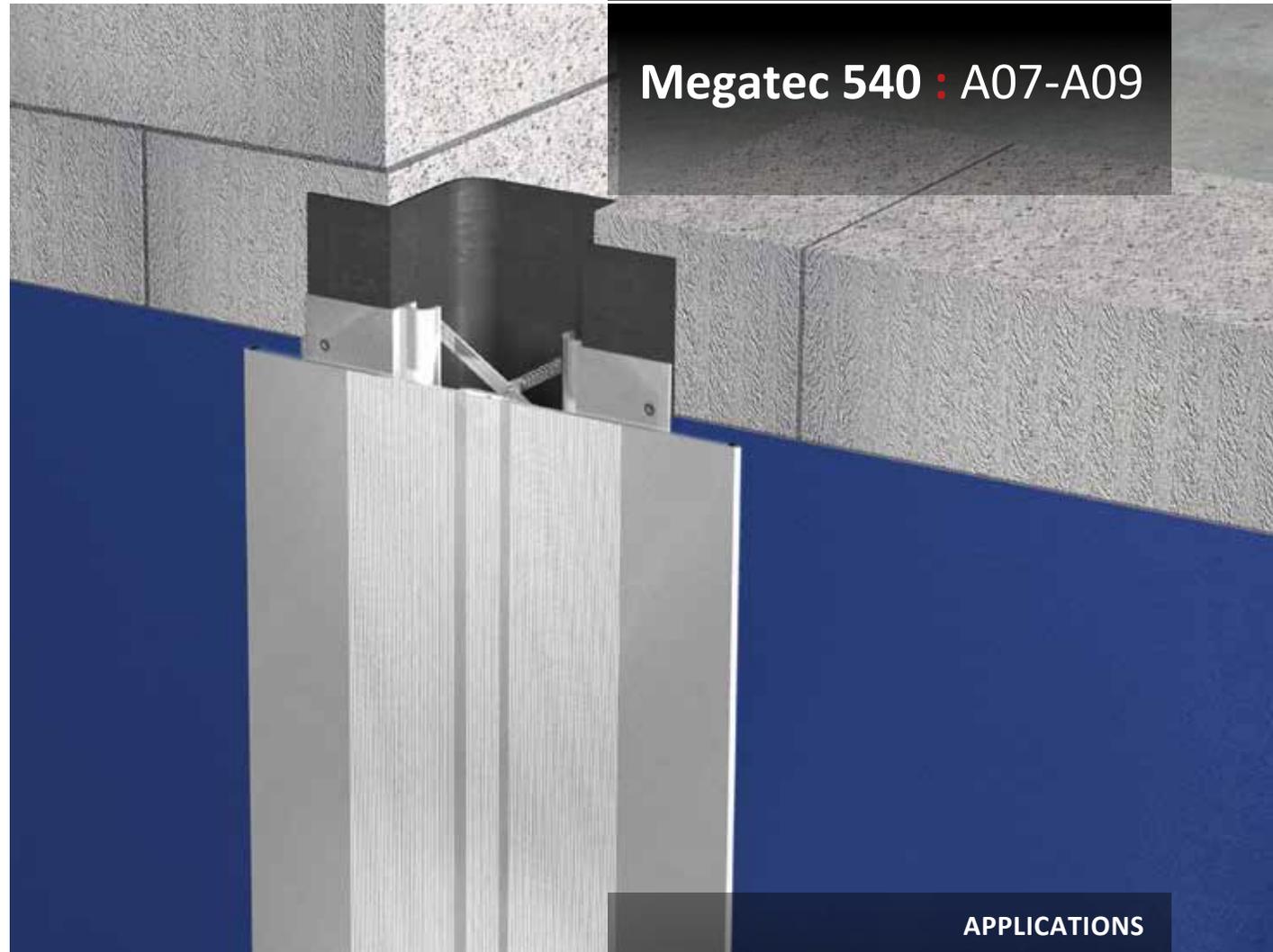
Wall Finishes	Drywall
	Plaster
	Render
	Paint finishes
	Ceramic tiles
	Natural stone
	External cladding
	Curtain wall

Product Synopsis

Location	External walls
Max Load & Traffic Frequency	
Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Not Applicable
Road Transport transits	Not Applicable
Pedestrian transits	Not Applicable
Movement	
Direction	Horizontal and shear
Max. movement	± 250 (500 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	8 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	25 micron clear satin anodised finished Aluminium
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

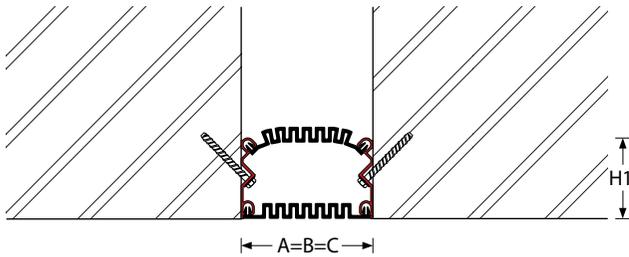
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

EXTERNAL CENTRE PLATE EXPANSION JOINT

Wall to Wall |

50 - 150 mm (2 - 6") Expansion Gaps

Megatec 590 : A07



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline		Blockout
						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Wall - Wall	50	± 25	[50]	-	-	65	-	50	-	590-A07-050
	75	± 37	[75]					75		590-A07-075
	100	± 50	[100]			100		590-A07-100		
	150	± 75	[150]			150		590-A07-150		

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

Compatible with

Wall Finishes	Drywall
	Plaster
	Render
	Paint finishes
	Ceramic tiles
	Natural stone
	External cladding
	Curtain wall

Product Synopsis

Location	External walls
-----------------	----------------

Max Load & Traffic Frequency

Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Not Applicable
Road Transport transits	Not Applicable
Pedestrian transits	Not Applicable

Movement

Direction	Horizontal, shear and vertical
Max. movement	± 75 (150 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal
	Class II : Wind Sway
	Class III : Seismic

System Options

Gap width(s)	50, 75, 100, 150 mm
Height(s)	65, 100 mm
Metal type(s)	6063 T5 & T6 Aluminium
Seal colour(s)	Black (RAL 7021)
	Grey (RAL 7038)
	Beige (RAL 1015)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

**Megatec 590 : A07****APPLICATIONS**

Exhibition Centres | Distribution & Retail Warehouses
 Department Stores | Supermarkets | Educational
 Residential | Factories | Parking | Roads & Bridges
 Offices & Hotels | Sports Stadiums | Airport Terminals
 Rail, Metros & Elevated Rail Stations | Hospitals
 Museums | Places of Worship | Shopping Centres



Typical Components

- (1) Roof deck
- (2) Optional self-adhesive or torch-applied sheet membrane (by others)
- (3) M6 x 50mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw
- (4) Continuous 6063 aluminium roof frame
- (5) Continuous 6063 aluminium or honeycomb panel centre plate
- (6) Continuous 6063 aluminium drip channel
- (7) Centering bar
- (8) Low friction rollers

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

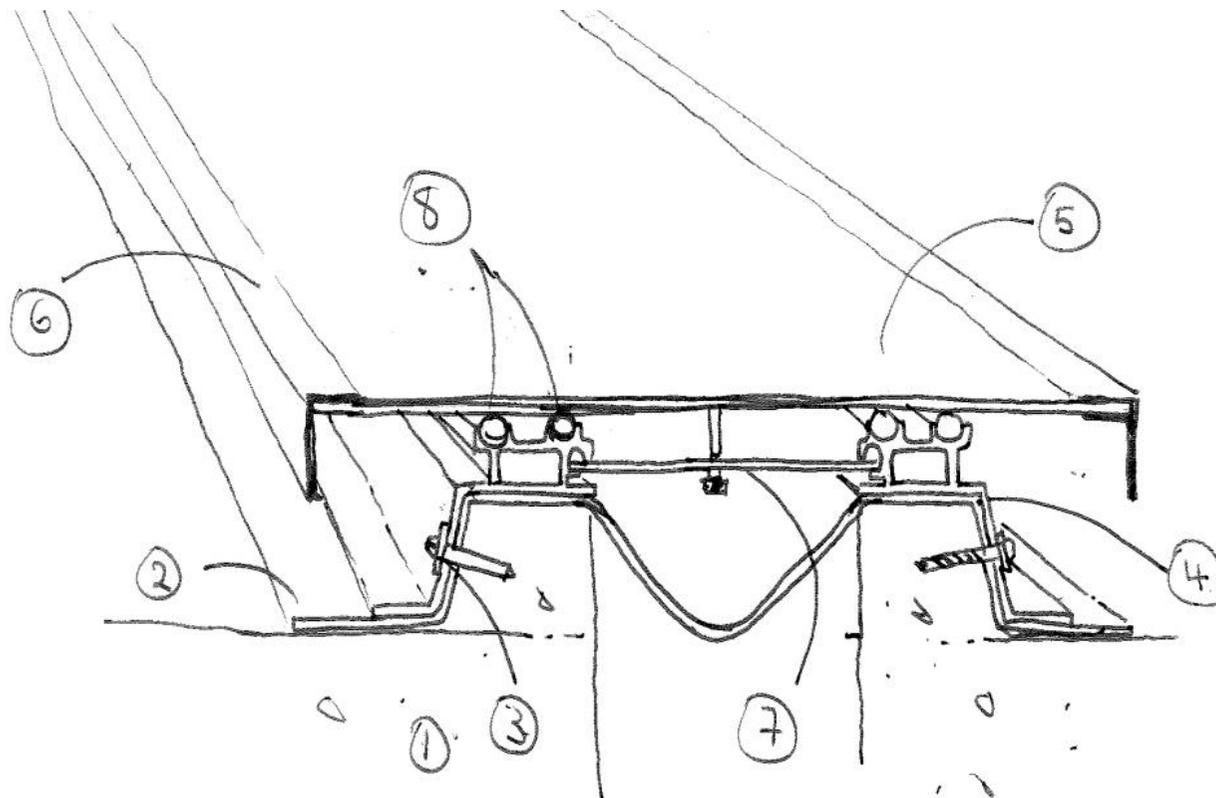
Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

Full installation instructions are available to download from our website – www.vexcolt.com/installation

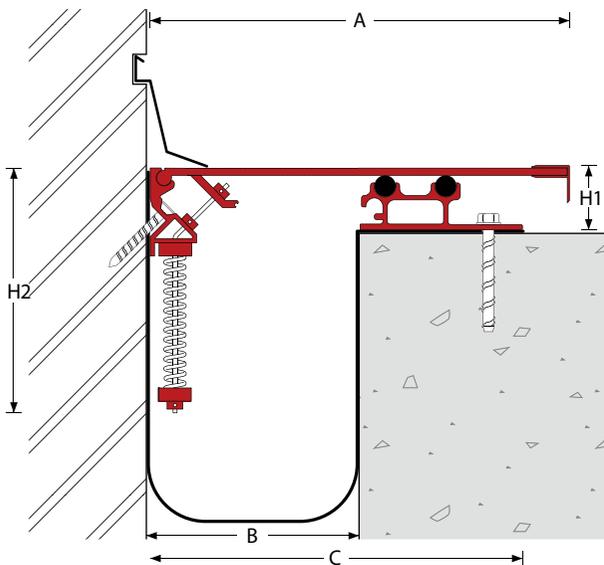
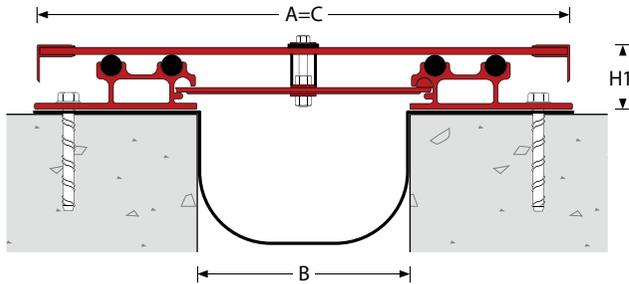


EXTERNAL CENTRE PLATE EXPANSION JOINT

Roof to Roof | Roof to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Megatec 600 : A25-A26



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)			
Roof - Roof	75	± 37	[75]	-	-	45	-	270	303	600-A25-075
	100	± 50	[100]					294	328	600-A25-100
	150	± 75	[150]					374	378	600-A25-150
	200	± 100	[200]					444	428	600-A25-200
	300	± 150	[300]					594	528	600-A25-300
	400	± 200	[400]					744	628	600-A25-400
	500	± 250	[500]					894	728	600-A25-500
Roof - Wall	75	± 37	[75]	-	-	45	89	187	189	600-A26-075
	100	± 50	[100]					222	214	600-A26-100
	150	± 75	[150]					297	264	600-A26-150
	200	± 100	[200]				372	314	600-A26-200	
	300	± 150	[300]				522	414	600-A26-300	
	400	± 200	[400]				672	514	600-A26-400	
	500	± 250	[500]				822	614	600-A26-500	

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

EXTERNAL CENTRE PLATE EXPANSION JOINT

Roof to Roof | Roof to Wall

100 - 500 mm (4 - 20") Expansion Gaps

Compatible with

Roof and Wall Finishes	Concrete
	Membrane
	Metal
	Drywall
	Plaster
	Render
	Paint finishes
	Ceramic tiles
	Natural stone

Product Synopsis

Location External roof and parapet

Max Load & Traffic Frequency

Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Not Applicable
Road Transport transits	Not Applicable
Pedestrian transits	Not Applicable

Movement

Direction	Horizontal and shear
Max. movement	± 250 (500 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal
	Class II : Wind Sway
	Class III : Seismic

System Options

Gap width(s)	100, 150, 200, 300, 400, 500 mm
Height(s)	45 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	Mill finish Aluminium
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Megatec 600 : A25-A26

APPLICATIONS

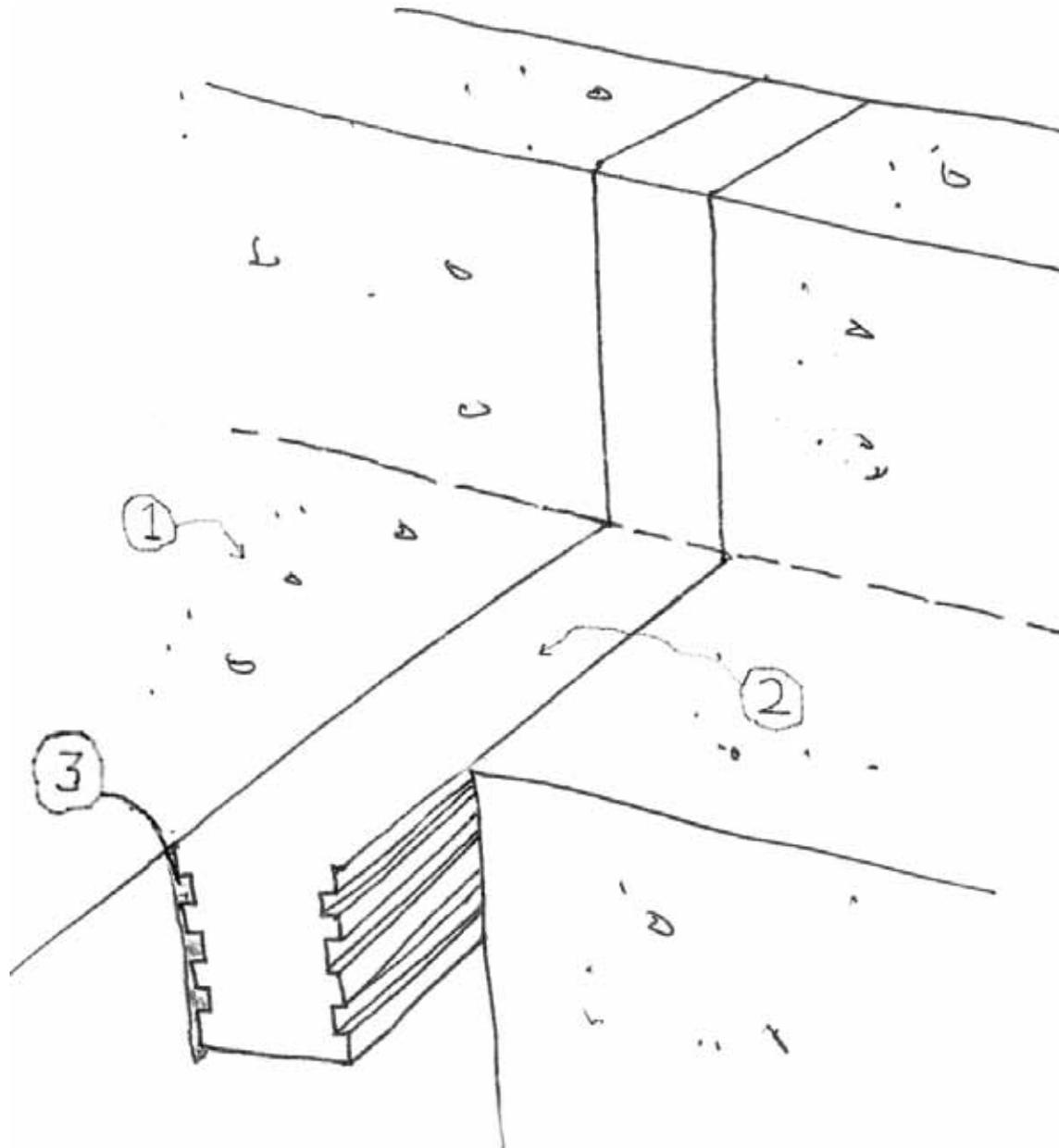
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

WWW.VEXCOLT.COM



flexatec 1000

multi-purpose seal expansion joint
for internal & external floors & walls



Typical Components

- (1) Slab or other finishes
- (2) Flexatec 1000 UV-resistant seal
- (3) High strength epoxy bonding agent

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

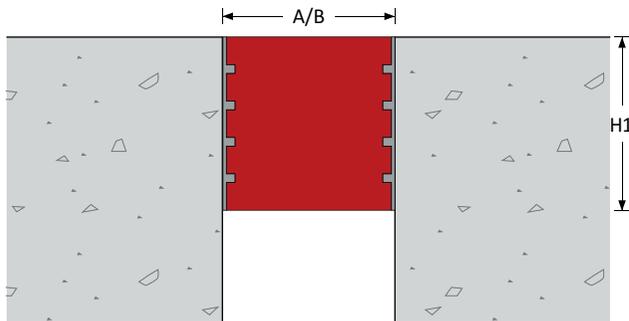
Installation

Full installation instructions are available to download from our website – www.vexcolt.com/installation

MULTI-PURPOSE SEAL EXPANSION JOINT

Floor to Floor | Floor & Wall to Wall
20 - 100 mm (3/4 - 4") Expansion Gaps

Flexatec 1000 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline		Blockout
						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor Floor & Wall - Floor	10	± 5	[10]	-	Group 6 630kN	15	-	10	-	1000-A01-010
	20	± 10	[20]					20		1000-A01-020
	25	± 12	[25]					25		1000-A01-025
	30	± 15	[30]					30		1000-A01-030
	38	± 19	[38]			38		1000-A01-038		
	50	± 25	[50]			50		1000-A01-050		
	75	± 37	[75]			75		1000-A01-075		
	90	± 45	[90]			90		1000-A01-090		
	100	± 50	[100]			100		1000-A01-100		
								Group 4 300kN		76

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

MULTI-PURPOSE SEAL EXPANSION JOINT

Floor to Floor | Floor & Wall to Wall
20 - 100 mm (3/4 - 4") Expansion Gaps

Compatible with

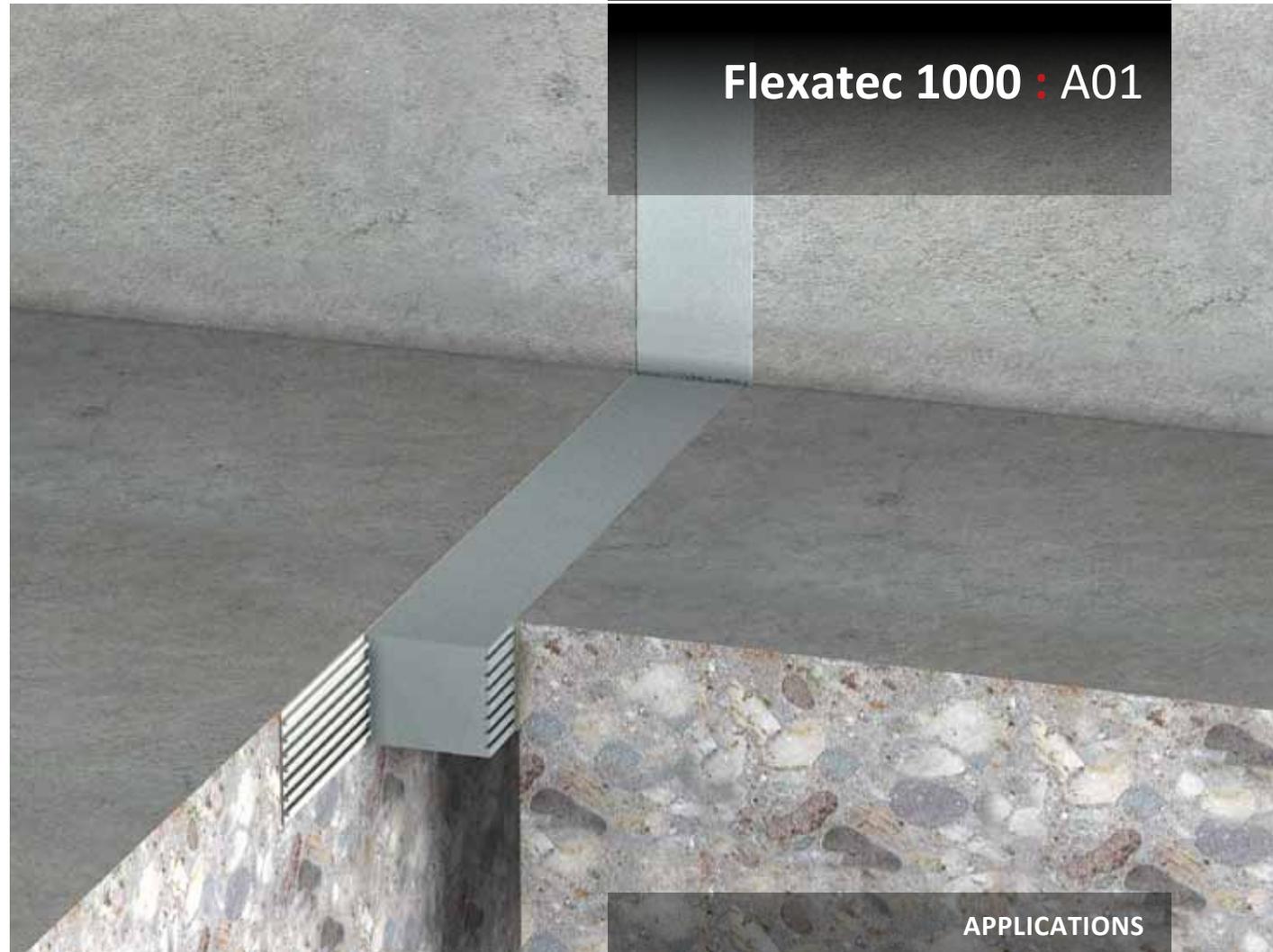
Floor and Wall Finishes	Concrete as a wearing surface Ceramic tiles Natural stone Pre-polished terrazzo tiles Conglomerate paving Thin <1mm floor coatings Resin flooring Cladding Drywall Plaster Render
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Product Synopsis

Location	All internal and external floor, wall, roof and parapet applications including seismic zones
Max Load & Traffic Frequency	
Road Transport load	Group 6: 630kN (≈62.0 tonnes)
Road Transport transits	> 25,000 per day - highway and parking deck only
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal, limited shear, limited vertical
Max. movement	± 50 (100 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	10, 20, 25, 30, 38, 50, 75, 90, 100 mm
Height(s)	25, 50, 76, 89 mm
Metal type(s)	None
Colour(s)	Concrete grey coloured seal
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Not applicable
Pre-assembly in factory	Contact Vexcolt



Flexatec 1000 : A01

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres



Typical Components

- (1) Concrete slab
- (2) High strength (>40N/mm²) levelling bed (by others)
- (3) Optional self-adhesive or torch-applied sheet membrane (by others)
- (4) M10 x 75mm (Multi-Monti type) carbon steel or stainless steel 18/8 Dacrolit/Dacromet coated threaded concrete screw
- (5) Neoprene or EPDM extrusion
- (6) Continuous 6mm thick mild steel galvanised load plate
- (7) Optional React 6000 elastomeric concrete backfill
- (8) Finishes/wearing surface

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

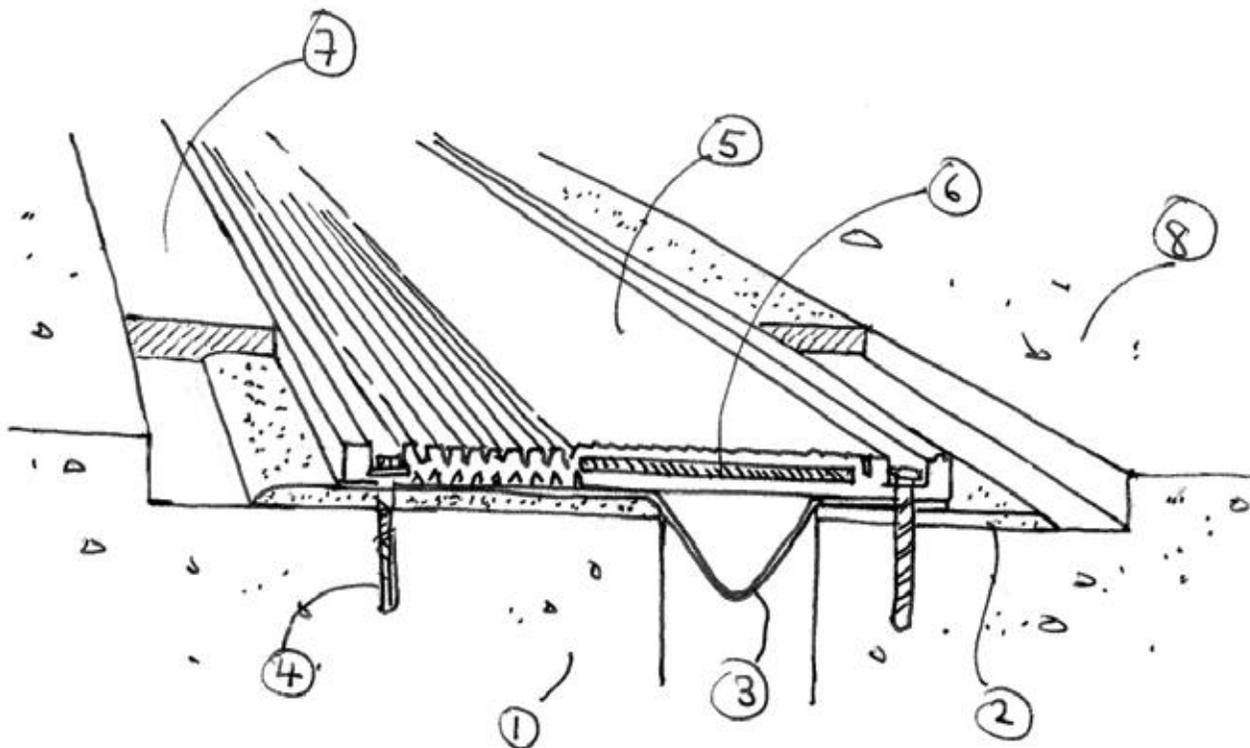
Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

Full installation instructions are available to download from our website – www.vexcolt.com/installation



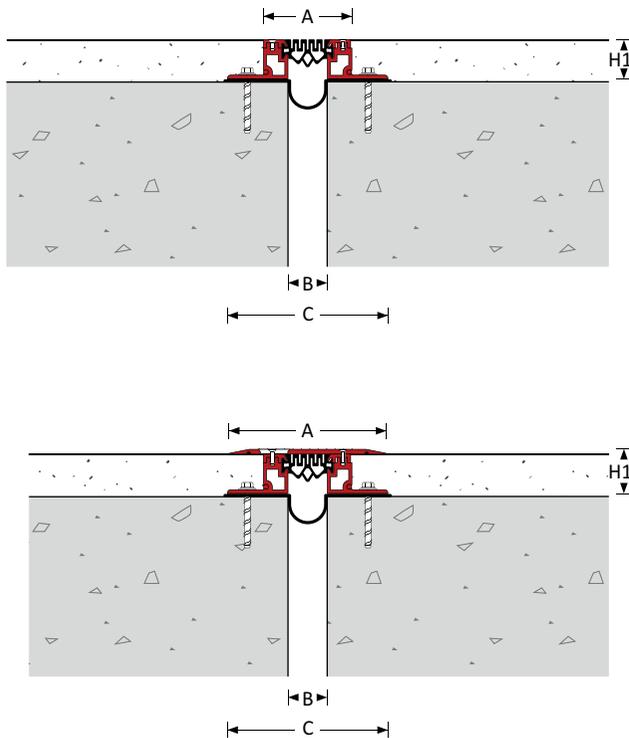
MECHANICAL EXPANSION JOINT

Floor to Floor |

25 - 75 mm (1 - 3") Expansion Gaps

Transatec 1100 : A01

Transatec 1120 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)			
Floor - Floor	25	± 7	[15]	-	Group 1 30kN	30: 50	-	88	185	1100-A01-025-(H1)
	50	± 15	[30]					113	210	1100-A01-050-(H1)
	75	± 32	[65]					138	235	1100-A01-075-(H1)
Floor - Floor	25	± 7	[15]	-	Group 1 30kN	30: 50	6	175	185	1120-A01-025-(H1)
	50	± 15	[30]					200	210	1120-A01-050-(H1)
	75	± 32	[65]					240	245	1120-A01-075-(H1)
Floor - Floor	25	± 7	[15]	-	Group 1 30kN	30: 50	6	175	185	1120-S01-025-(H1)
	50	± 15	[30]					200	210	1120-S01-050-(H1)
	75	± 32	[65]					240	245	1120-S01-075-(H1)

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 1100-A01-050-030 denotes a joint 30mm high.
7. 1120-A01 joints have an aluminium top plate whereas 1120-S01 joints have a 304-grade stainless steel centre plate.

MECHANICAL EXPANSION JOINT

| Floor to Floor

25 - 75 mm (1 - 3") Expansion Gaps

Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping Asphalt
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Product Synopsis

Location	Internal & external floors & decks (parking decks & pedestrian bridges)
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Max Load & Traffic Frequency

Forklift load	Not Applicable
Forklift transits	Not Applicable
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	≤ 10,000 per day - parking deck only
Pedestrian transits	> 25,000 per day

Movement

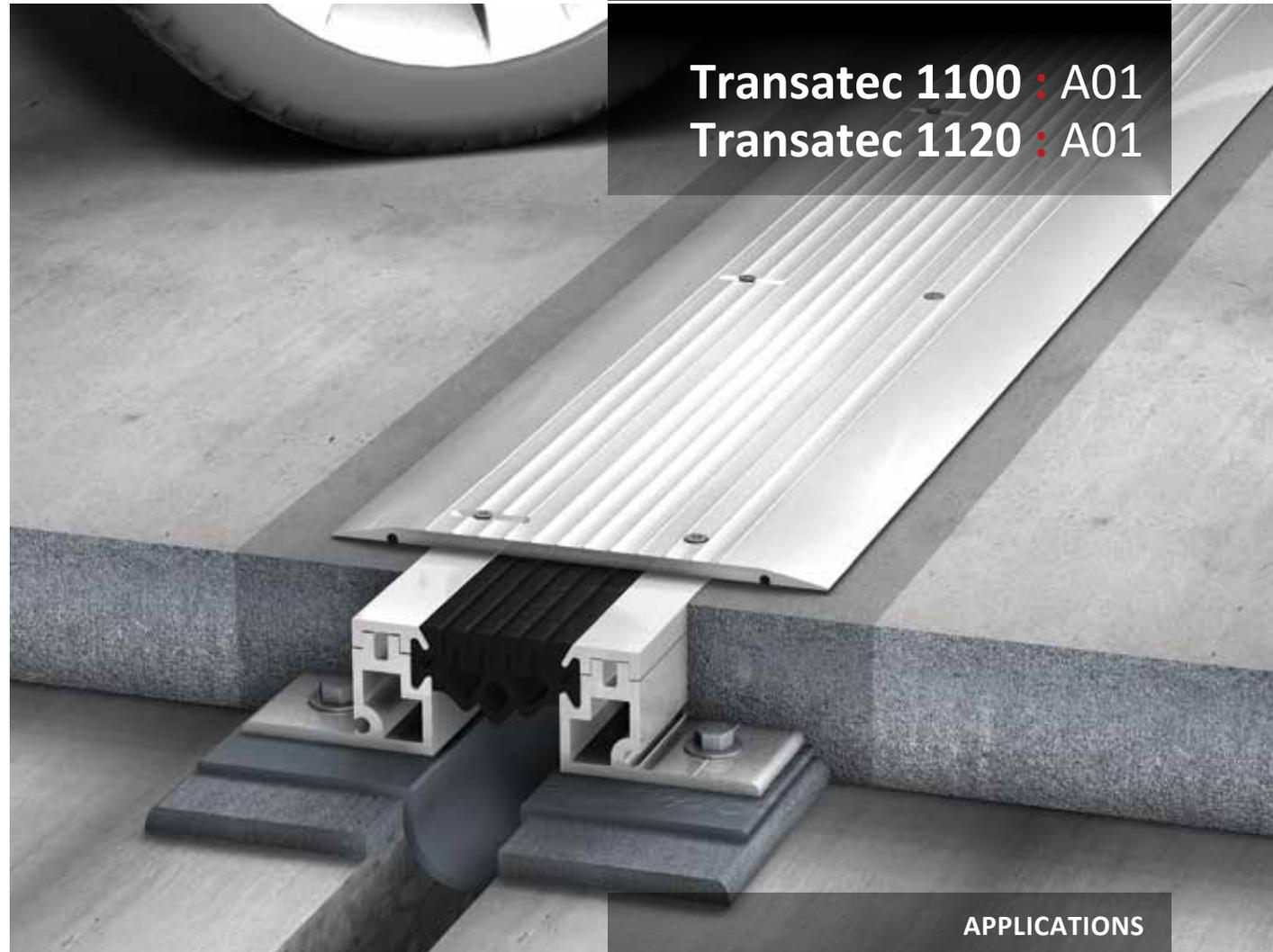
Direction	Horizontal
Max. movement	± 32 (65 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway
-------------	---

System Options

Gap width(s)	25, 50, 75 mm
Height(s)	30, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium 304-grade stainless steel (optional) - 1120-S01
Colour(s)	Black (RAL 7021)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Transatec 1100 : A01
Transatec 1120 : A01

APPLICATIONS

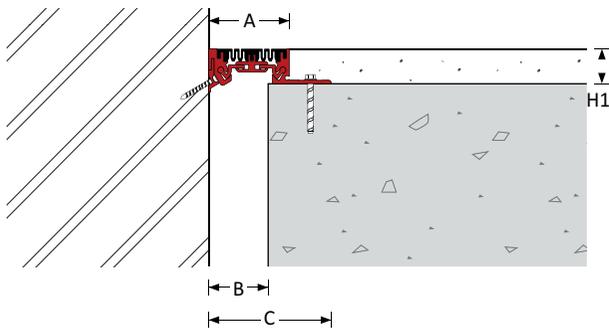
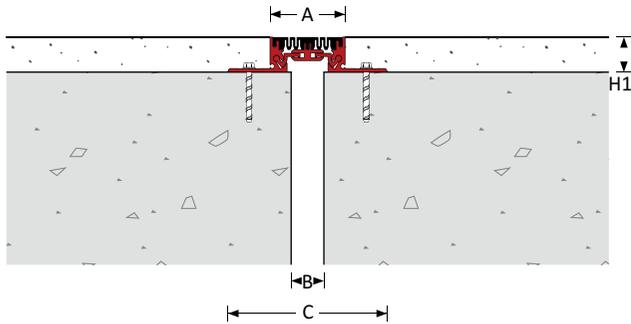
Exhibition Centres | Distribution & Retail Warehouses
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Residential | Factories | Parking | Roads & Bridges
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Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

MECHANICAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 100 mm (1 - 4") Expansion Gaps

Transatec 1130 : A01-A02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Floor - Floor Deck - Deck	25	± 7	[15]	Group FL2 46kN	Group 2 120kN	35: 50	-	81	202	1130-A01-025-(H1)
	50	± 12	[25]					108	229	1130-A01-050-(H1)
	75	± 20	[40]					133	254	1130-A01-075-(H1)
	100	± 28	[56]	Group FL1 31kN	Group G 30kN	50	158	279	1130-A01-100-(H1)	
	125	± 35	[70]				185	310	1130-A01-125	
Floor - Wall Deck - Wall	25	± 7	[15]	Group FL2 46kN	Group 2 120kN	35: 50	62	89	150	1130-A02-025-(H1)
	50	± 12	[25]					116	177	1130-A02-050-(H1)
	75	± 20	[40]					141	202	1130-A02-075-(H1)
	100	± 28	[56]	Group FL1 31kN	Group G 30kN	50	166	227	1130-A02-100-(H1)	
	125	± 35	[70]				191	252	1130-A02-125	

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 1130-A01-050-035 denotes a joint 35mm high.

MECHANICAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 125 mm (1 - 5") Expansion Gaps

Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping Asphalt
-----------------------	---

Product Synopsis

Location	Internal & external floors & decks (parking decks & pedestrian bridges)
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Max Load & Traffic Frequency

Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 100 per day
Road Transport load	Group 2: 120kN (≈11.8 tonnes)
Road Transport transits	> 25,000 per day - parking deck only
Pedestrian transits	> 25,000 per day

Movement

Direction	Horizontal, shear and vertical
Max. movement	± 35 (70 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway
-------------	---

System Options

Gap width(s)	25, 50, 75, 100, 125 mm
Height(s)	35, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	Black (RAL 7021)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

Transatec 1130 : A01-A02



APPLICATIONS

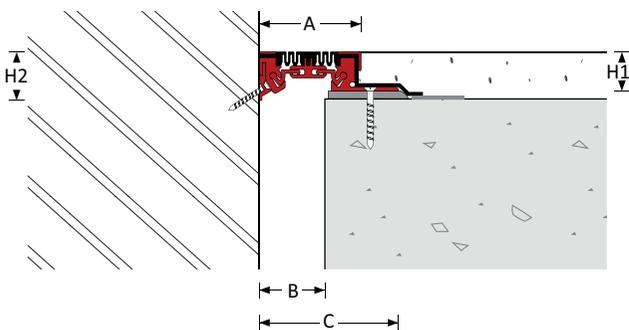
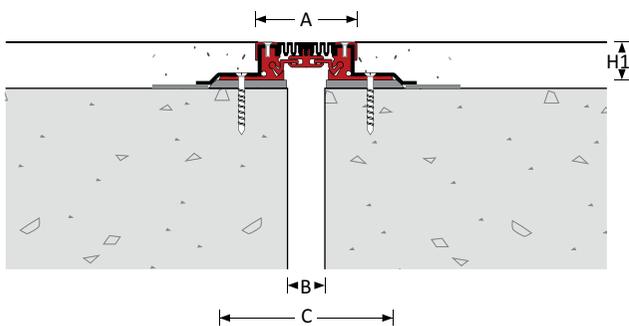
Exhibition Centres | Distribution & Retail Warehouses
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Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

MECHANICAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 125 mm (1 - 5") Expansion Gaps

Transatec 1130 : S01-S02



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)			
Floor - Floor Deck - Deck	25	± 7	[15]	Group FL2 46kN	Group 2 120kN	35: 50	-	107	202	1130-S01-025-(H1)
	50	± 12	[25]					134	229	1130-S01-050-(H1)
	75	± 20	[40]					159	254	1130-S01-075-(H1)
	100	± 28	[56]	Group FL1 31kN	Group G 30kN	50	184	279	1130-S01-100-(H1)	
	125	± 35	[70]				209	304	1130-S01-125	
Floor - Wall Deck - Wall	25	± 7	[15]	Group FL2 46kN	Group 2 120kN	35: 50	62	102	150	1130-S02-025-(H1)
	50	± 12	[25]					129	177	1130-S02-050-(H1)
	75	± 20	[40]					154	202	1130-S02-075-(H1)
	100	± 28	[56]	Group FL1 31kN	Group G 30kN	50	179	227	1130-S02-100-(H1)	
	125	± 35	[70]				204	252	1130-S02-125	

1. Gap width indicates the nominal expansion gap width before movement occurs
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.
6. When specifying or ordering please add the height (H1) required to the Product Reference. For example 1130-S01-050-050 denotes a joint 50mm high.



Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping Asphalt
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Product Synopsis

Location	Internal & external floors & decks (parking decks & pedestrian bridges)
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Max Load & Traffic Frequency

Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 100 per day
Road Transport load	Group 2: 120kN (≈11.8 tonnes)
Road Transport transits	> 25,000 per day - parking deck only
Pedestrian transits	> 25,000 per day

Movement

Direction	Horizontal, shear and vertical
Max. movement	± 35 (70 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway
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System Options

Gap width(s)	25, 50, 75, 100, 125 mm
Height(s)	35, 50 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	Black (RAL 7021)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

**Transatec 1130 : S01-S02****APPLICATIONS**

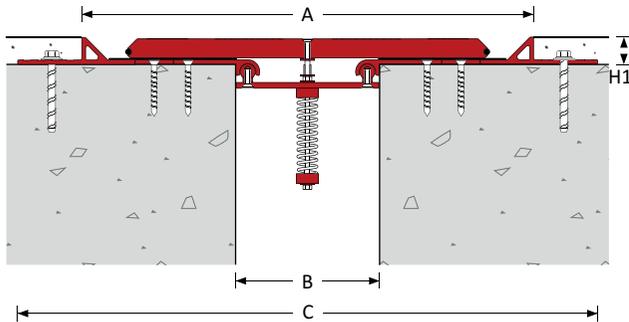
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

MECHANICAL EXPANSION JOINT

Floor to Floor |

150 - 500 mm (6 - 20") Expansion Gaps

Transatec 1140 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)			
Floor - Floor	150	± 75	[150]	-	Group 1 30kN	25	-	472	606	1140-A01-150
	200	± 100	[200]					547	681	1140-A01-200
	250	± 125	[250]					622	756	1140-A01-250
	300	± 150	[300]					697	831	1140-A01-300
	400	± 200	[400]					847	981	1140-A01-400
	500	± 250	[500]					1000	1134	1140-A01-500

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping Asphalt
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Product Synopsis

Location	Internal & external floors & decks (parking decks & pedestrian bridges)
-----------------	--

Max Load & Traffic Frequency

Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	> 25,000 per day - parking deck only
Pedestrian transits	> 25,000 per day

Movement

Direction	Horizontal and shear
Max. movement	± 250 (500 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic
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System Options

Gap width(s)	150, 200, 300, 400, 500 mm
Height(s)	25 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	Mill Finish Aluminium
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

**Transatec 1140 : A01****APPLICATIONS**

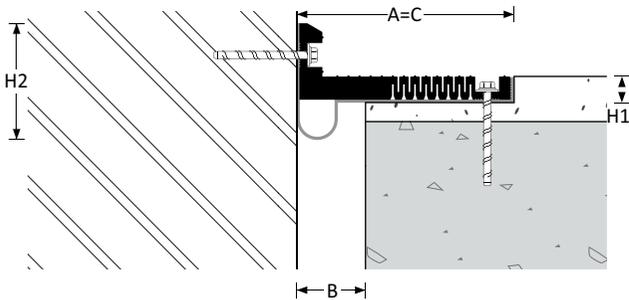
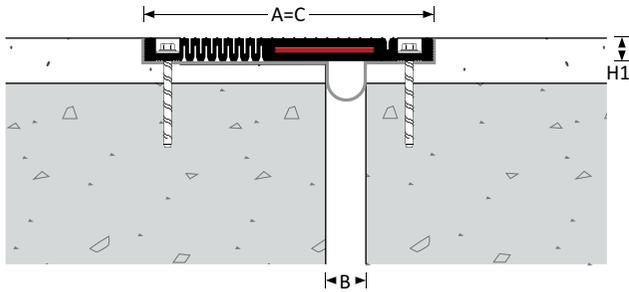
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

MECHANICAL EXPANSION JOINT

Floor to Floor | Floor to Wall

25 - 75 mm (1 - 3") Expansion Gaps

Transatec 1150 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number		
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)	Sightline A (mm)		Blockout C (mm)	
Floor - Floor Deck - Deck	25	± 10	[20]	Group FL2 46kN	Group G 160kN	31	-	283	-	1150-A01-025	
	50	± 20	[40]					367			1150-A01-050
	75	± 30	[60]					437			
Floor - Wall Deck - Wall	25	± 10	[20]	Group FL2 46kN	Group G 160kN	31	95	183	-	1150-A02-025	
	50	± 20	[40]					267			1150-A02-050
	75	± 30	[60]					337			

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping Asphalt
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Product Synopsis

Location	Internal & external floors & decks (parking decks , access roads & pedestrian bridges)
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Max Load & Traffic Frequency

Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 100 per day
Road Transport load	Group G: 160kN (≈15.7 tonnes)
Road Transport transits	> 25,000 per day - parking deck only
Pedestrian transits	> 25,000 per day

Movement

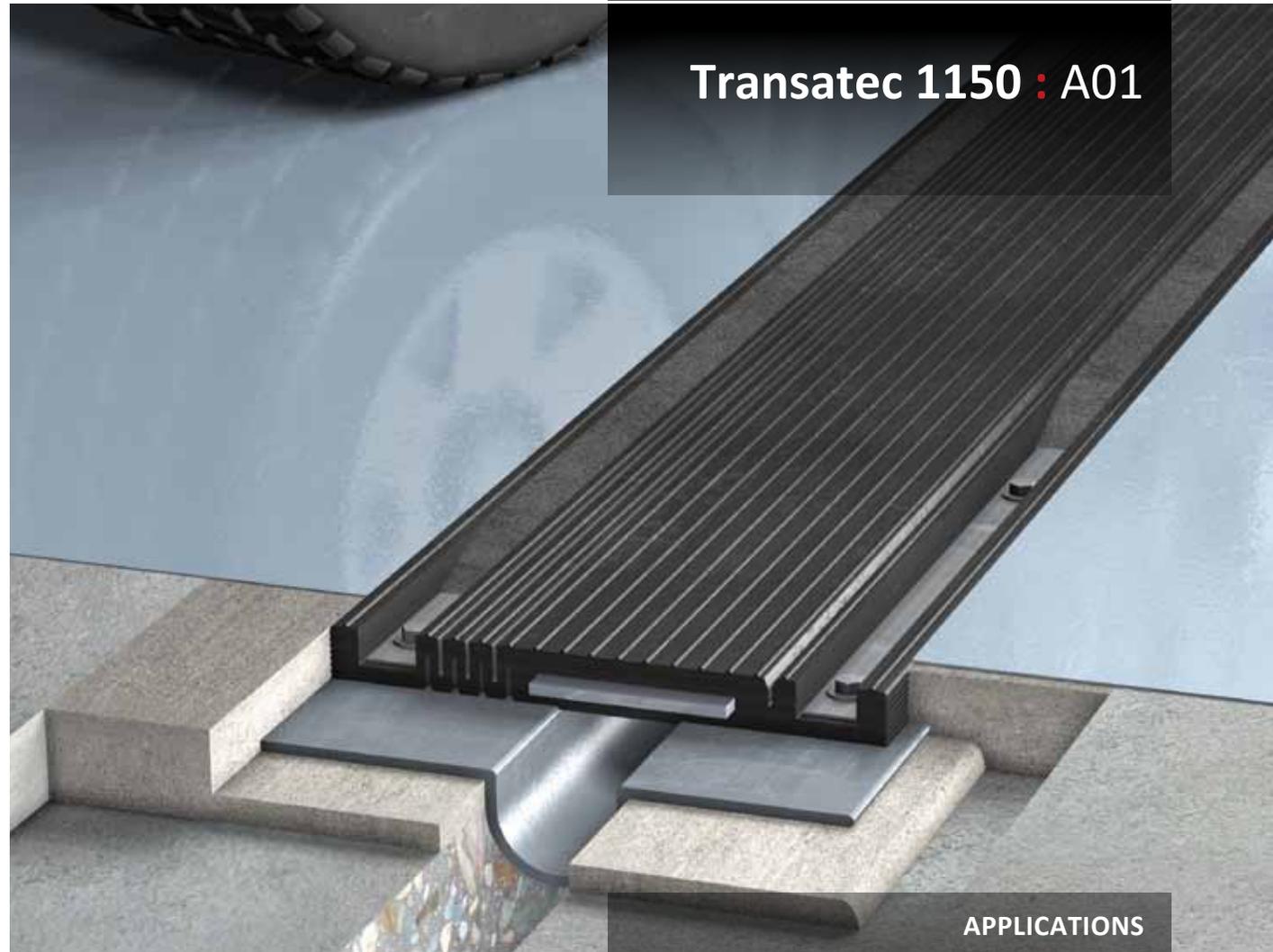
Direction	Horizontal, limited shear, limited vertical
Max. movement	± 30 (60 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway
-------------	---

System Options

Gap width(s)	25, 50, 75 mm
Height(s)	31/95 mm
Metal type(s)	A36/S275 structural Steel
Colour(s)	Black (RAL 7021)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

**Transatec 1150 : A01****APPLICATIONS**

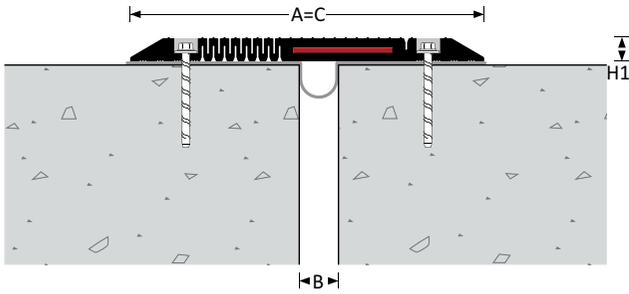
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

MECHANICAL EXPANSION JOINT

Floor to Floor |

25 - 75 mm (1 - 3") Expansion Gaps

Transatec 1160 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions				Product Number
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)	Sightline A (mm)	Blockout C (mm)	
Floor - Floor Deck - Deck	25	± 12	[25]	Group FL2 46kN	Group G 160kN	31	-	450	-	1160-A01-025
	50	± 25	[50]							1160-A01-050
	75	± 25	[50]							1160-A01-075

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping Asphalt
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Product Synopsis

Location	Internal & external floors & decks (parking decks , access roads & pedestrian bridges)
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Max Load & Traffic Frequency

Forklift load	Group FL2: 46kN (≈4.5 tonnes)
Forklift transits	≤ 100 per day
Road Transport load	Group G: 160kN (≈15.7 tonnes)
Road Transport transits	> 25,000 per day - parking deck only
Pedestrian transits	> 25,000 per day

Movement

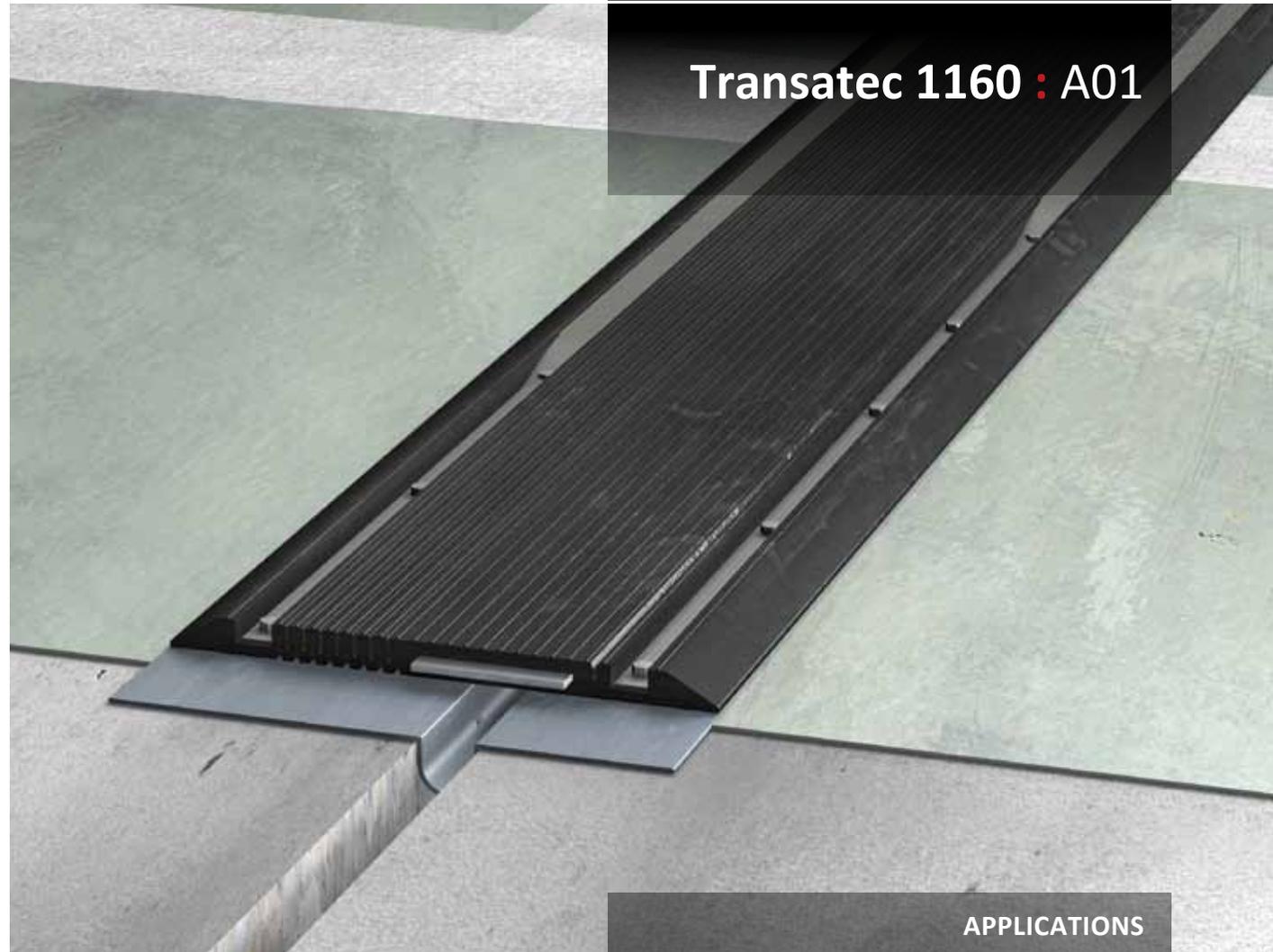
Direction	Horizontal, limited shear, limited vertical
Max. movement	± 25 (50 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway
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System Options

Gap width(s)	25, 50, 75 mm
Height(s)	31 mm
Metal type(s)	A36/S275 structural Steel
Colour(s)	Black (RAL 7021)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Transatec 1160 : A01

APPLICATIONS

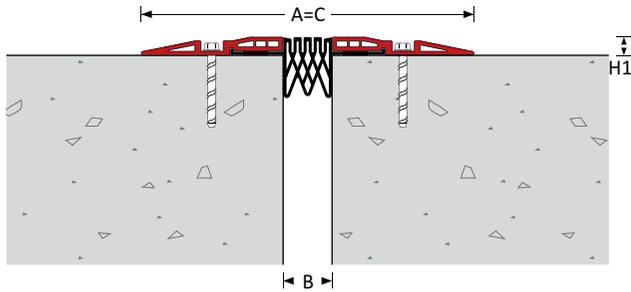
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

MECHANICAL EXPANSION JOINT

Floor to Floor |

25 - 75 mm (1 - 3") Expansion Gaps

Transatec 1170 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline		Blockout
						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor Deck - Deck	25	± 7	[15]	-	Group 1 30kN	18	-	306	-	1170-A01-025
	50	± 15	[30]					331		1170-A01-050
	75	± 25	[50]					356		1170-A01-075

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping Asphalt
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Product Synopsis

Location	Internal & external floors & decks (parking decks , access roads & pedestrian bridges)
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Max Load & Traffic Frequency

Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	> 25,000 per day - parking deck only
Pedestrian transits	> 25,000 per day

Movement

Direction	Horizontal, limited shear & vertical
Max. movement	± 25 (50 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway
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System Options

Gap width(s)	25, 50, 75 mm
Height(s)	18 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	Black (RAL 7021)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

**Transatec 1170 : A01****APPLICATIONS**

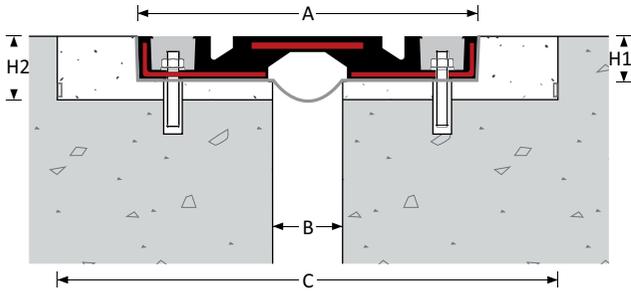
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

MECHANICAL EXPANSION JOINT

Floor to Floor |

40 - 375 mm (1 9/16 - 15") Expansion Gaps

Transatec 1180 : A01



Expansion Joint Selection Criteria

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions				Product Number
		±	[Total]	Forklift Truck	Road Transport	Height		Sightline	Blockout	
						H1 (mm)	H2 (mm)	A (mm)	C (mm)	
Floor - Floor Deck - Deck	40	± 19	[38]	Group FL6 190kN	Group 6 630kN	35	60	240	380	1180-A01-040
	50	± 25	[50]			40	65	274	434	1180-A01-050
	65	± 33	[66]			46	70	356	540	1180-A01-065
	80	± 40	[80]			54	80	432	648	1180-A01-080
	150	± 50	[100]			54	80	590	806	1180-A01-150
	200	± 80	[160]			75	100	724	1024	1180-A01-200
	275	± 115	[230]			93	120	890	1262	1180-A01-275
	375	± 165	[330]			127	150	1207	1715	1180-A01-375

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping Asphalt
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Product Synopsis

Location	Internal & external floors & decks (parking decks , access roads, pedestrian bridges, highway and non-highway bridges)
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Max Load & Traffic Frequency

Forklift load	Group FL6: 190kN (≈18.6 tonnes)
Forklift transits	> 25,000 per day
Road Transport load	Group 6: 630kN (≈61.8 tonnes)
Road Transport transits	> 25,000 per day
Pedestrian transits	> 25,000 per day

Movement

Direction	Horizontal, limited shear, limited vertical
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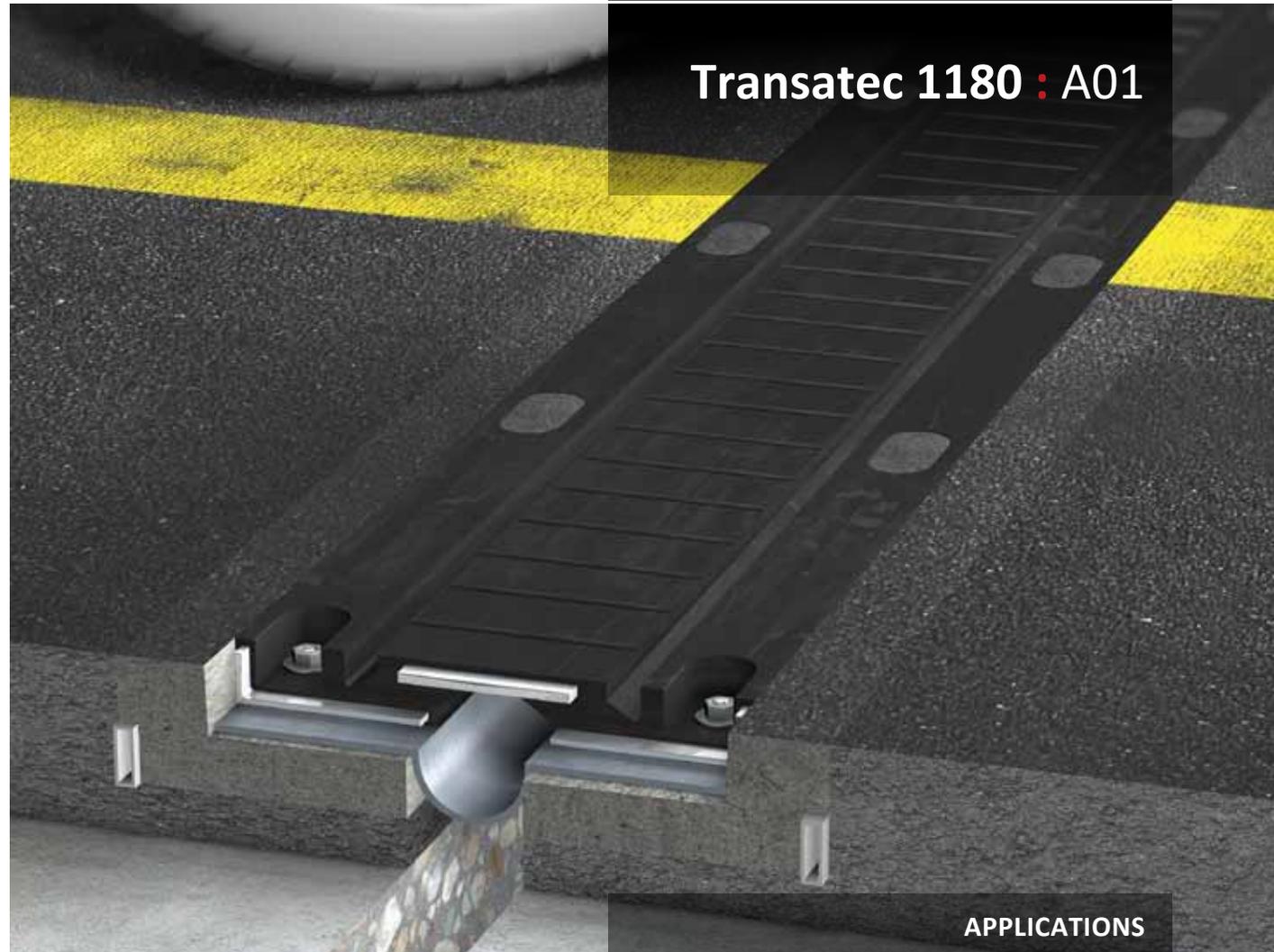
Max. movement	± 165 (330 mm) horizontal
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Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic
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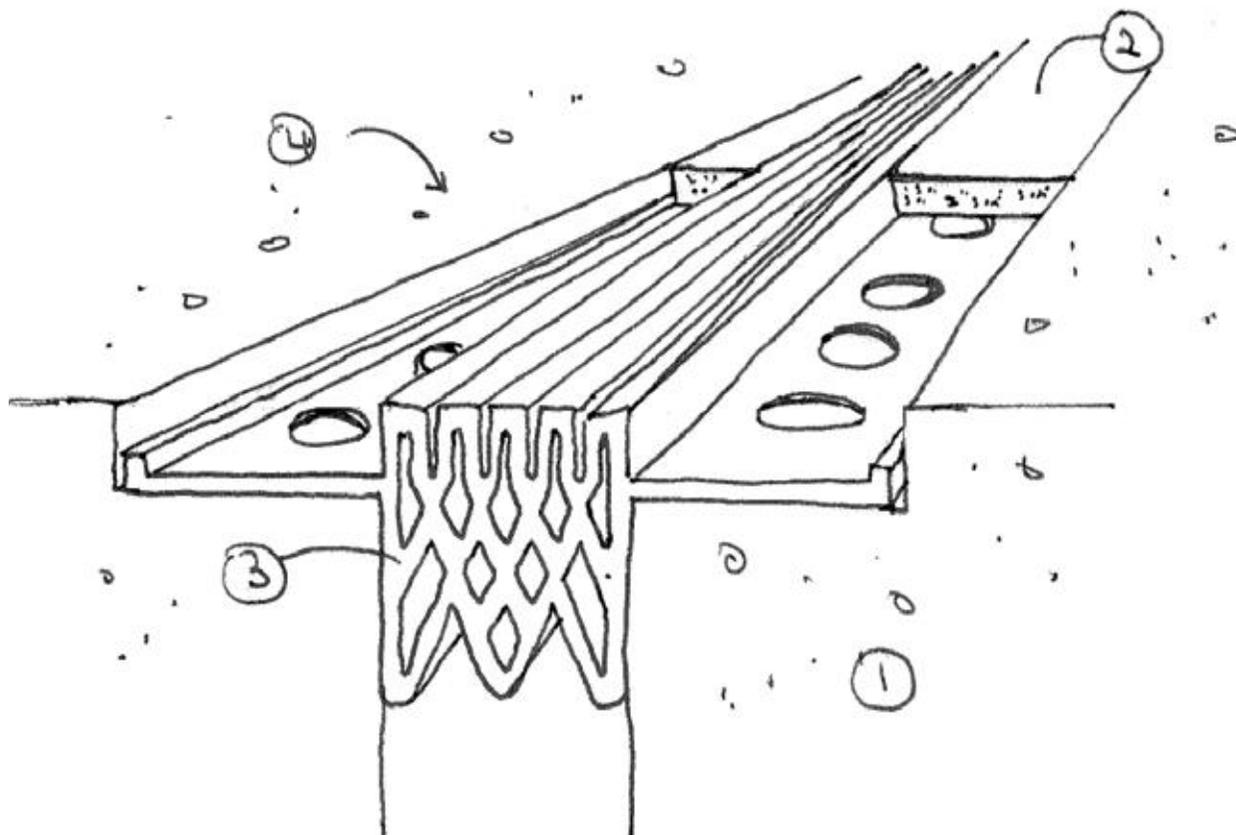
System Options

Gap width(s)	40, 50, 65, 80, 150, 200, 275, 375 mm
Height(s)	35, 40, 46, 54, 75, 93, 127 mm
Metal type(s)	A36/S275 structural Steel
Colour(s)	Black (RAL 7021)
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt

**Transatec 1180 : A01****APPLICATIONS**

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres





Typical Components

- (1) Slab
- (2) High strength Elastomeric concrete
- (3) Continuous extruded EPDM seal
- (4) Finishes/wearing surface

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

Installation

Full installation instructions are available to download from our website – www.vexcolt.com/installation

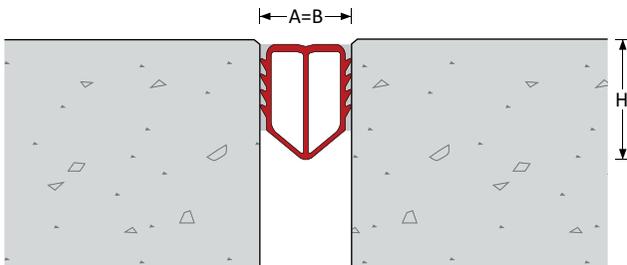
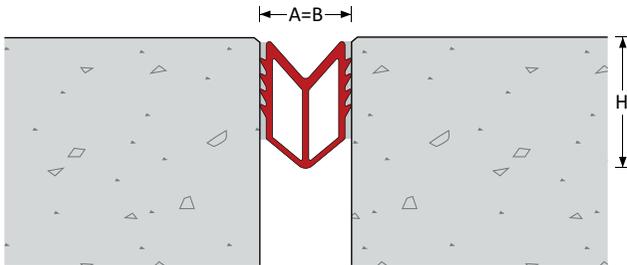
SEAL EXPANSION JOINT

Floor to Floor to Wall | Wall to Wall

25 - 150 mm (1 - 6") Expansion Gaps

Flexatec 1220 : A01

Flexatec 1230 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number		
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	H2 (mm)	Sightline A (mm)		Blockout C (mm)	
Floor - Floor Floor - Wall Wall - Wall	25	± 10	[20]	-	Group 6 630kN	40	-	25	-	1220-A01-025	
	35	± 15	[30]			50		35		1220-A01-035	
	40	± 20	[40]			60		40		1220-A01-040	
	50	± 25	[50]			70		50		1220-A01-050	
	60	± 30	[60]		Group 4 300kN	80		60		1220-A01-060	
	80	± 40	[80]			100		80		1220-A01-080	
	100	± 50	[100]			Group 3 240kN		120		100	1220-A01-100
	150	± 75	[150]					190		150	1220-A01-150
Floor - Floor Floor - Wall Wall - Wall	15	± 5	[10]	-	Group 6 630kN	20	-	15	-	1230-A01-015	
	20	± 6	[12]			30		20		1230-A01-020	
	25	± 7	[14]			40		25		1230-A01-025	
	35	± 9	[18]			50		35		1230-A01-035	
	50	± 10	[20]		Group 4 300kN	60		50		1230-A01-050	
	60	± 12	[25]			80		60		1230-A01-060	
	75	± 15	[30]			Group 3 240kN		90		75	1230-A01-075
	100	± 20	[40]					120		100	1230-A01-100

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

SEAL EXPANSION JOINT

Floor to Floor to Wall | Wall to Wall
25 - 150 mm (1 - 6") Expansion Gaps

Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping
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Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Group 6: 630kN (≈62.0 tonnes)
Road Transport transits	> 25,000 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal, limited shear & vertical
Max. movement	± 75 (150 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	15, 20, 25, 35, 40, 50, 60, 75, 80, 100, 150 mm
Height(s)	20, 30, 40, 50, 60, 70, 80, 90, 120, 190 mm
Metal type(s)	None
Colour(s)	Black (RAL 7021) coloured seal
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Not applicable
Pre-assembly in factory	Contact Vexcolt



Flexatec 1220 : A01
Flexatec 1230 : A01

APPLICATIONS

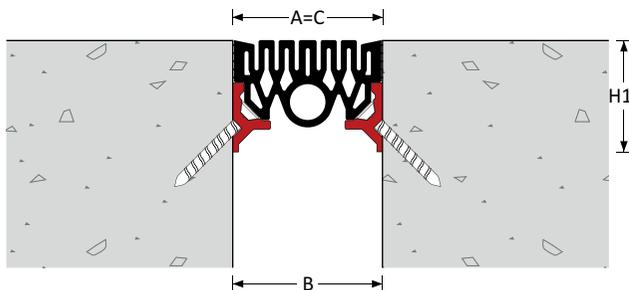
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

SEAL EXPANSION JOINT

Floor to Floor to Wall | Wall to Wall

75 - 150 mm (3 - 6") Expansion Gaps

Flexatec 1240 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport	Height H1 (mm)	Height H2 (mm)	Sightline A (mm)		Blockout C (mm)
Floor - Floor	75	± 25	[50]	-	Group 1 30kN	31	61	75	-	1240-A01-075
Floor - Wall	100	± 30	[60]					100		1240-A01-100
Wall - Wall	150	± 50	[100]					150		1240-A01-150

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

SEAL EXPANSION JOINT

Floor to Floor to Wall | Wall to Wall
75 - 150 mm (3 - 6") Expansion Gaps

Flexatec 1240 : A01

Compatible with

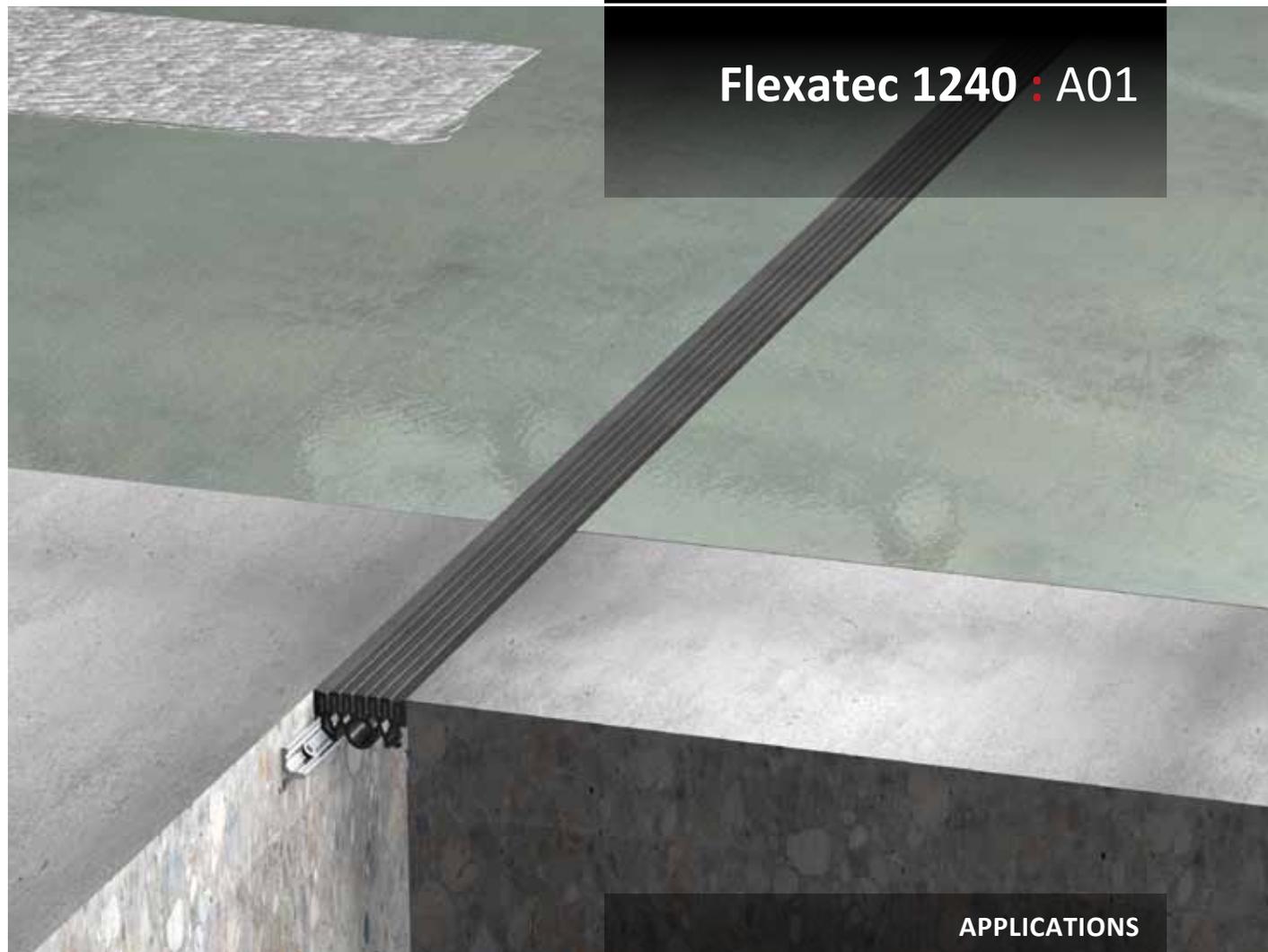
Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping
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Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	≤ 5,000 per day
Pedestrian transits	≤ 25,000 per day
Movement	
Direction	Horizontal, limited shear & vertical
Max. movement	± 50 (100 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	75, 100, 150 mm
Height(s)	65 mm
Metal type(s)	6063 T5 & T6 Aluminium
Colour(s)	Black (RAL 7021) coloured seal
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Not applicable
Pre-assembly in factory	Contact Vexcolt



APPLICATIONS

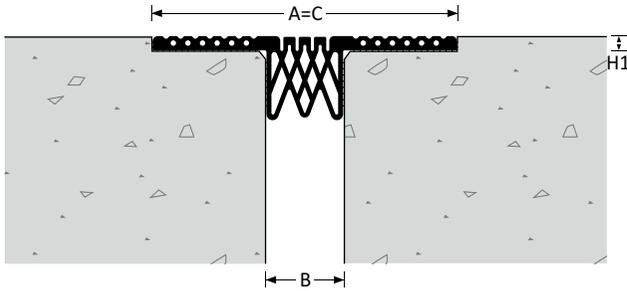
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

SEAL EXPANSION JOINT

Floor to Floor | Deck to Deck

25 - 100 mm (1 - 4") Expansion Gaps

Flexatec 1250 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions				Product Number	
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)	Sightline A (mm)	Blockout C (mm)		
Floor - Floor Deck - Deck	25	± 7	[15]	-	Group 1 30kN	10	50	175	-	1250-A01-025	
	50	± 15	[30]				55	200			1250-A01-050
	75	± 25	[50]				63	225			1250-A01-075
	100	± 32	[65]				67	250			1250-A01-100

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping
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Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	> 25,000 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal, shear and vertical
Max. movement	± 32 (65 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50, 75, 100 mm
Height(s)	18/60 mm
Metal type(s)	None
Colour(s)	Black (RAL 7021) coloured seal
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Not applicable
Pre-assembly in factory	Contact Vexcolt

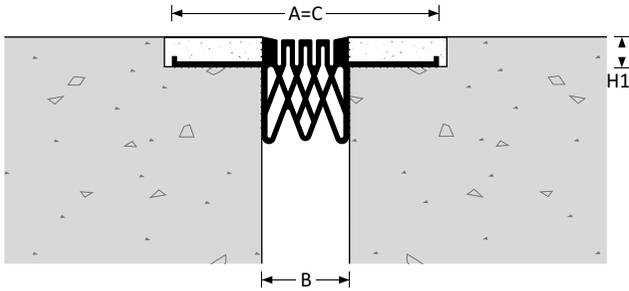
**Flexatec 1250 : A01****APPLICATIONS**

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

SEAL EXPANSION JOINT

Floor to Floor | Deck to Deck
25 - 75 mm (1 - 3") Expansion Gaps

Flexatec 1260 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Product Dimensions				Product Number
		±	[Total]	Forklift Truck	Road Transport	H1 (mm)	H2 (mm)	Sightline A (mm)	Blockout C (mm)	
Floor - Floor Deck - Deck	25	± 7	[15]	-	Group 1 30kN	18	54	43	130	1260-A01-025
	50	± 15	[30]				60	68	155	1260-A01-050
	75	± 25	[50]				93	180	1260-A01-075	

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. Eurocode Load Rating denotes the maximum laden weight of pallet trucks and forklift trucks as defined within Eurocode EN-1991-1-1:2002. Road transport vehicles such as passenger and medium vehicles are also defined within EN-1991-1-1:2002, however for heavy road transport vehicles this value is derived from EN-1991-2:2003 and the relevant National Annexes. * Indicates that the joint is suitable only for infrequent use by designated vehicles.

SEAL EXPANSION JOINT

Floor to Floor | Deck to Deck
25 - 75 mm (1 - 3") Expansion Gaps

Compatible with

Floor Finishes	Concrete as a wearing surface Thin <1mm floor coatings Resin topping
-----------------------	--

Product Synopsis

Location	Internal & external floors
Max Load & Traffic Frequency	
Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Group 1: 30kN (≈2.9 tonnes)
Road Transport transits	> 25,000 per day
Pedestrian transits	> 25,000 per day
Movement	
Direction	Horizontal, shear and vertical
Max. movement	± 25 (50 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway

System Options

Gap width(s)	25, 50, 75 mm
Height(s)	18/60 mm
Metal type(s)	None
Colour(s)	Black (RAL 7021) coloured seal
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Not applicable
Pre-assembly in factory	Contact Vexcolt



Flexatec 1260 : A01

APPLICATIONS

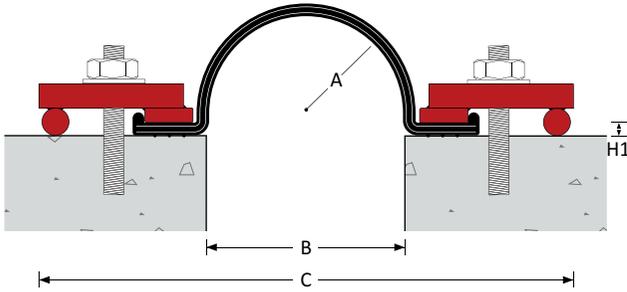
Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

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SEAL EXPANSION JOINT

Concrete to Concrete | Steel to Steel
50 - 250 mm (2 - 10") Expansion Gaps

Flexatec 1270 : A01



Expansion Joint Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Water Pressure (MPa)		Product Dimensions			Product Number	
		±	[Total]	Seal Fully Open	Seal Fully Closed	Height H1 (mm)	Stud Fixing (mm)	Radius A (mm)		Width C (mm)
Concrete - Concrete Steel - Steel	50	+40/-30	[70]	0.75	1.75	13	M24	25	210	1270-A01-050
	80	+60/-40	[100]					40	240	1270-A01-080
	100	+70/-50	[120]	50	260			1270-A01-100		
	140	± 70	[140]	0.50	1.20		M30	70	300	1270-A01-140
	200	± 90	[180]					100	360	1270-A01-200
	250	± 100	[200]					120	410	1270-A01-250

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the joint from fully open to fully closed.
5. The maximum water pressure that a given 1270 seal can withstand is shown after expansion or contraction movement has occurred and is denoted in MPa by two values determined when the seal is fully open and fully closed respectively.

SEAL EXPANSION JOINT

Concrete to Concrete | Steel to Steel
50 - 250 mm (2 - 10") Expansion Gaps

Applications

Specific Uses	Tunnel to rail station interfaces Aqueducts Canals Bridge Decks Reservoirs
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Compatible with

Concrete / Steel	Concrete : Concrete Concrete : Steel Steel : Steel
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Product Synopsis

Location	Internal & external
Load	
Max Water Pressure	1.75 MPa
Movement	
Direction	Horizontal, shear and vertical
Max. movement	± 100 (200 mm) horizontal
Movement Classification	
ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic

System Options

Gap width(s)	50, 80, 100, 140, 200, 250 mm
Height(s)	Not applicable
Metal type(s)	Galvanised Steel clamping system
Colour(s)	Black
Fire barrier (120 & 240 mins)	Refer to pg 12 and 195 to 201
Waterproofing	Max. water pressure 1.75 MPa
Pre-assembly in factory	Contact Vexcolt



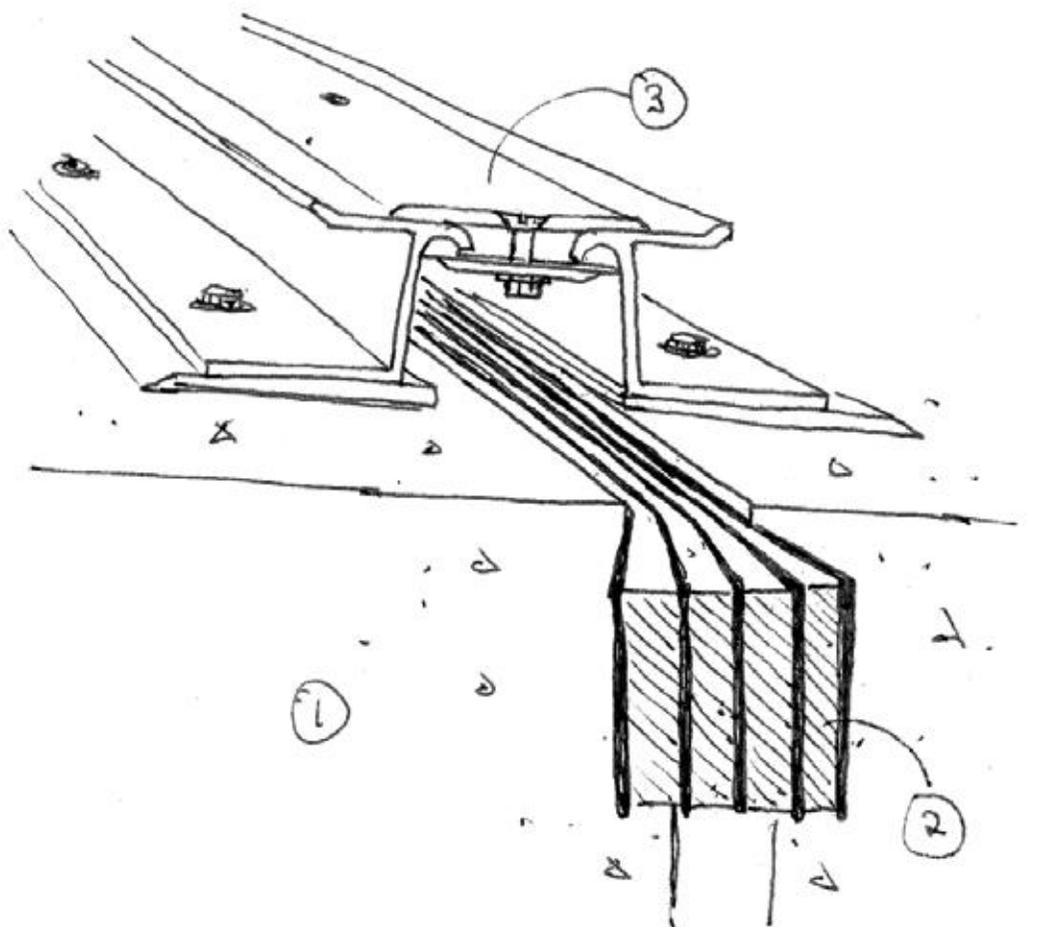
Flexatec 1270 : A01

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

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Typical Components

- (1) Concrete slab
- (2) 2 hour or 4 hour fire rated fire barrier compressed into expansion gap
- (3) Expansion joint fitted directly over fire barrier and centred over the expansion gap.

Materials

For full material and test data sheets please contact Vexcolt or alternatively download the relevant information from our website – www.vexcolt.com/materials

Health & Safety

Full MSDS and COSHH documentation is available on request and by download from our website – www.vexcolt.com/msds

Specifications

Specifications are available in both CSI and Eurocode formats upon request or alternatively may be downloaded from our website – www.vexcolt.com/specifications

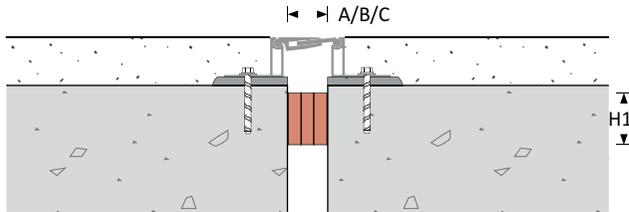
Installation

Full installation instructions are available to download from our website – www.vexcolt.com/installation

FIRE BARRIER SYSTEM

Floor to Floor to Wall | Wall to Wall
15 - 125 mm (5/8 - 5") Expansion Gaps

Fireflex 2000 : A01-A02



Barrier System Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Fire Rating Minutes	Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport		Height H1 (mm) H2 (mm)	Sightline A (mm)	Blockout C (mm)		
2 Hour Fire Rated											
Floor - Floor Floor - Wall Wall - Wall Corner Wall Ceiling - Ceiling	15	± 7	[15]	-	-	120	65	-	15	-	2000-A01-015-2
	25	± 12	[25]						25		2000-A01-025-2
	35	± 17	[35]						35		2000-A01-035-2
	50	± 25	[50]						50		2000-A01-050-2
	75	± 37	[75]						75		2000-A01-075-2
	100	± 50	[100]						100		2000-A01-100-2
	125	+25 /-75	[100]						125		2000-A01-125-2
4 Hour Fire Rated											
Floor - Floor Floor - Wall Wall - Wall Corner Wall Ceiling - Ceiling	15	± 7	[15]	-	-	240	100	-	15	-	2000-A01-015-4
	25	± 12	[25]						25		2000-A01-025-4
	35	± 17	[35]						35		2000-A01-035-4
	50	± 25	[50]						50		2000-A01-050-4
	75	± 37	[75]						75		2000-A01-075-4
	100	± 50	[100]						100		2000-A01-100-4
	125	+25 /-75	[100]						125		2000-A01-125-4

1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening. Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing. Horizontal movement perpendicular to the expansion gap.
4. [Total] shows the total movement range of the fire barrier from fully open to fully closed.

FIRE BARRIER SYSTEM

Floor to Floor to Wall | Wall to Wall
15 - 125 mm (5/8 - 5") Expansion Gaps

Compatible with

Finishes	All finishes
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Product Synopsis

Location	All fire compartment walls, floors and ceilings
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Max Load & Traffic Frequency

Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable

Movement

Direction	Horizontal, shear and vertical
Max. movement	± 50 (100 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic
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System Options

Gap width(s)	15, 25, 35, 50 mm
Height(s)	30, 38, 50, 75, 100, 125
Metal type(s)	None
Colour(s)	Black RAL 7021 intumescent seal
Fire barrier (Refer to pg 12)	BS 476 : 120 & 240 minutes
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Fireflex 2000 : A01-A02

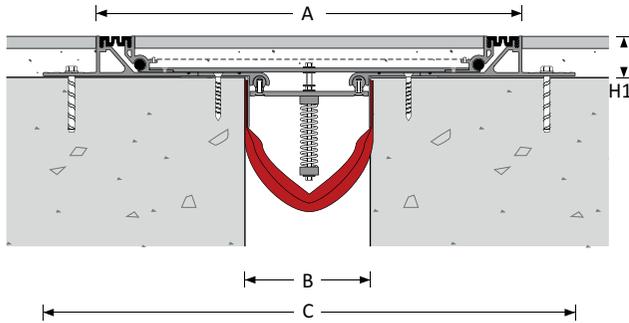
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

FIRE BARRIER SYSTEM

Floor to Floor | Wall to Wall | Corner
25 - 500 mm (1 - 20") Expansion Gaps

Fireflex 2100 : A01-A02



1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening.
Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing.
Horizontal movement perpendicular to the expansion gap.
3. **[Total]** shows the total movement range of the fire barrier from fully open to fully closed.



Barrier System Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Fire Rating Minutes	Product Dimensions			Product Number	
		±	[Total]	Forklift Truck	Road Transport		Height H1 (mm) H2 (mm)	Sightline A (mm)	Blockout C (mm)		
Floor - Floor Wall - Wall Ceiling - Ceiling	25	± 12	[25]	-	-	120	-	-	25	-	2100-A01-025-2
	50	± 25	[50]						50		2100-A01-050-2
	75	± 37	[75]						75		2100-A01-075-2
	100	± 50	[100]						100		2100-A01-100-2
	125	± 62	[125]						125		2100-A01-125-2
	150	± 75	[150]						150		2100-A01-150-2
	200	± 100	[200]						200		2100-A01-200-2
	250	± 125	[250]						250		2100-A01-250-2
	300	± 150	[300]						300		2100-A01-300-2
	350	± 175	[350]						350		2100-A01-350-2
	400	± 200	[400]						400		2100-A01-400-2
	450	± 225	[450]						450		2100-A01-450-2
	500	± 250	[500]						500		2100-A01-500-2
Floor - Wall Corner Wall Wall - Ceiling	25	± 12	[25]	-	-	120	-	-	25	-	2100-A02-025-2
	50	± 25	[50]						50		2100-A02-050-2
	75	± 37	[75]						75		2100-A02-075-2
	100	± 50	[100]						100		2100-A02-100-2
	125	± 62	[125]						125		2100-A02-125-2
	150	± 75	[150]						150		2100-A02-150-2
	200	± 100	[200]						200		2100-A02-200-2
	250	± 125	[250]						250		2100-A02-250-2
	300	± 150	[300]						300		2100-A02-300-2
	350	± 175	[350]						350		2100-A02-350-2
	400	± 200	[400]						400		2100-A02-400-2
	450	± 225	[450]						450		2100-A02-450-2
	500	± 250	[500]						500		2100-A02-500-2

FIRE BARRIER SYSTEM

Floor to Floor | Wall to Wall | Corner
25 - 500 mm (1 - 20") Expansion Gaps

Compatible with

Finishes	All finishes
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Product Synopsis

Location	All fire compartment walls, floors and ceilings
----------	---

Max Load & Traffic Frequency

Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable

Movement

Direction	Horizontal, shear and vertical
Max. movement	± 250 (500 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway Class III : Seismic
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System Options

Gap width(s)	25, 50, 75, 100, 125, 200, 250, 300, 350, 400, 450, 500 mm
Height(s)	Not applicable
Metal type(s)	304-grade Stainless Steel foil
Colour(s)	Stainless Steel sheath
Fire barrier (Refer to pg 12)	UL 2079 : 120 minutes
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Fireflex 2100 : A01-A02

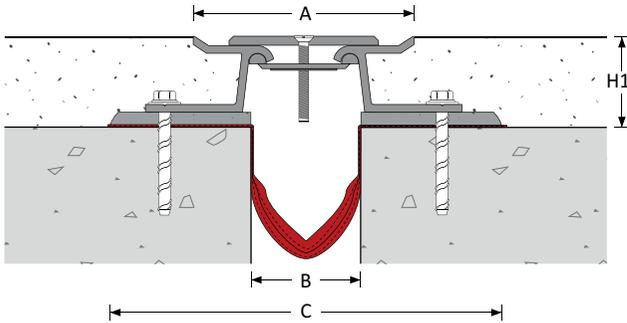
APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
Rail, Metros & Elevated Rail Stations | Hospitals
Museums | Places of Worship | Shopping Centres

FIRE BARRIER SYSTEM

Floor to Floor | Wall to Wall | Corner
25 - 500 mm (1 - 20") Expansion Gaps

Fireflex 2200 : A01-A02



1. Gap width indicates the nominal expansion gap width before movement occurs.
2. + mm indicates that the expansion gap is opening.
Horizontal movement perpendicular to the expansion gap.
3. - mm indicates that the expansion gap is closing.
Horizontal movement perpendicular to the expansion gap.
3. [Total] shows the total movement range of the fire barrier from fully open to fully closed.

Barrier System Selection Criteria

Product Details

Joint Location	Gap Width B (mm)	Movement Capacity (mm)		Eurocode Load Rating (kN)		Fire Rating Minutes	Product Dimensions Height		Sightline A (mm)	Blockout C (mm)	Product Number
		±	[Total]	Forklift Truck	Road Transport		H1 (mm)	H2 (mm)			
Floor - Floor Wall - Wall Ceiling - Ceiling	25	± 12	[25]	-	-	120	-	-	25	-	2200-A01-025-2
	50	± 25	[50]								2200-A01-050-2
	75	± 37	[75]								2200-A01-075-2
	100	± 50	[100]								2200-A01-100-2
	125	± 62	[125]								2200-A01-125-2
	150	± 75	[150]								2200-A01-150-2
	200	± 100	[200]								2200-A01-200-2
	250	± 125	[250]								2200-A01-250-2
	300	± 150	[300]								2200-A01-300-2
	350	± 175	[350]								2200-A01-350-2
	400	± 200	[400]								2200-A01-400-2
	450	± 225	[450]								2200-A01-450-2
	500	± 250	[500]								2200-A01-500-2
Floor - Wall Corner Wall Wall - Ceiling	25	± 12	[25]	-	-	120	-	-	25	-	2200-A02-025-2
	50	± 25	[50]								2200-A02-050-2
	75	± 37	[75]								2200-A02-075-2
	100	± 50	[100]								2200-A02-100-2
	125	± 62	[125]								2200-A02-125-2
	150	± 75	[150]								2200-A02-150-2
	200	± 100	[200]								2200-A02-200-2
	250	± 125	[250]								2200-A02-250-2
	300	± 150	[300]								2200-A02-300-2
	350	± 175	[350]								2200-A02-350-2
	400	± 200	[400]								2200-A02-400-2
	450	± 225	[450]								2200-A02-450-2
	500	± 250	[500]								2200-A02-500-2

FIRE BARRIER SYSTEM

Floor to Floor | Wall to Wall | Corner
25 - 500 mm (1 - 20") Expansion Gaps

Compatible with

Finishes	All finishes
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Product Synopsis

Location	All fire compartment walls, floors and ceilings
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Max Load & Traffic Frequency

Forklift load	Not applicable
Forklift transits	Not applicable
Road Transport load	Not applicable
Road Transport transits	Not applicable
Pedestrian transits	Not applicable

Movement

Direction	Horizontal, shear and vertical
Max. movement	± 250 (500 mm) horizontal

Movement Classification

ASTM E-1399	Class I : Thermal Class II : Wind Sway
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System Options

Gap width(s)	25, 50, 75, 100, 125, 200, 250, 300, 350, 400, 450, 500 mm
Height(s)	Not applicable
Metal type(s)	304-grade Stainless Steel foil
Colour(s)	Stainless Steel sheath
Fire barrier (Refer to pg 12)	UL 2079 : 120 minutes
Waterproofing	Refer to pg 13
Pre-assembly in factory	Contact Vexcolt



Fireflex 2200 : A01-A02

APPLICATIONS

Exhibition Centres | Distribution & Retail Warehouses
Department Stores | Supermarkets | Educational
Residential | Factories | Parking | Roads & Bridges
Offices & Hotels | Sports Stadiums | Airport Terminals
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