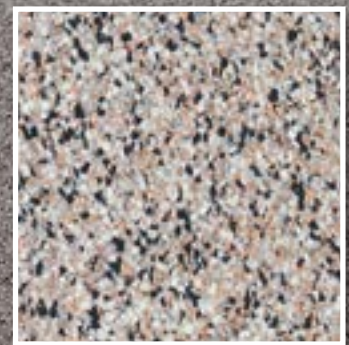


Structure-borne sound insulation and impact sound reduction

5000



ISOFLOR® Impact sound reduction

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Front page image:

Structure-borne sound and impact sound reduction ISOFLOOR® bearing.

ISOFLOOR® impact sound reduction

The new, extensive range for all needs in the area of structure-borne sound insulation and impact sound reduction.

The ISOFLOOR® range - optimal coverage of all needs

With the expansion of the ISOFLOOR® range, HBT-ISOL has created an optimal basis for the best structure-borne sound insulating bearings in construction and industry. The new bearing system meets the constantly growing challenges with suitable solutions. Use under or above the screed. For installation heights, required impact sound reduction, cost-effectiveness or high loads - no matter what criteria influence the choice of product, the ISOFLOOR® range offers the optimum solution for every construction situation. The roll and panels material allows fast and uncomplicated installation, even for large areas.



Areas of application

The technically high-quality ISO FLOOR® rolls and panels are used for permanently elastic, structure-borne sound-insulating and separation of:

- Floor coverings (e.g. parquet, laminate, carpet, etc.)
- Buildings, parts of buildings in mixed uses (e.g. screeds/load distribution panels in residential shopping).
- Machine foundations.

Main benefit

ISO FLOOR®-products meet the highest demands and are particularly suitable if a bearing system is to achieve high insulation values, absorb high loads or be suitable for low installation heights.

Specification

- Excellent structure-borne sound insulation and impact sound reduction.
- Permanently elastic, rot-proof, extremely robust and durable in long-term use.
- Low creep behaviour and high resilience.
- Stable against weak acids and alkalis.
- Recyclable.

Other features

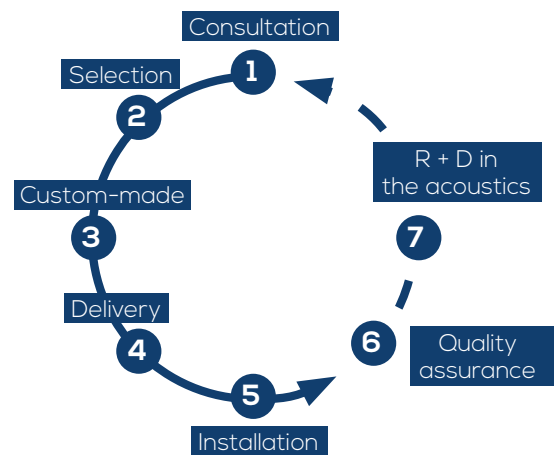
In addition to product quality, the right choice of system and professional installation are decisive for the acoustic performance of a structure-borne sound insulation and impact sound reduction bearing system. Experienced HBT-ISOL engineers, project managers and our own installation teams support you in all project phases. From the evaluation, selection and dimensioning of the solution to faultless execution with a functional guarantee.

HBT-ISOL services for you

The acoustic performance of a structure-borne sound insulation system is decisively determined by three factors:

- Performance of the products.
- Correct system selection.
- Faultless installation.

Experienced HBT-ISOL employees assist in all project phases – from planning to installation – and ensure that the planned solutions deliver the required performance.



Our employees advise you on the choice of solution. Then we take care of the details and the design of the bearing arrangement.

1

Advice and support in the choice of solution

Various solutions are often conceivable for impact sound insulation under or above the screed.

Based on many years of experience, our specialists support you in choosing the most economical and technically optimal, as well as safe solution.



Experienced engineers from the engineering department calculate the optimal solution for you.

2

Layout and calculation

Our specialist engineers from the engineering department take care of:

- Calculation and dimensioning of the best structure-borne sound insulation below or above the screed.
- Recording of the required on-site specifications, load distribution and installation height.
- Design of high-performance and proven bearing arrangement with all details and drawings.
- Material extracts and parts lists.



In our production our products are made to measure according to customer requirements.

3

Custom made

We also manufacture many items from our range to measure, so that we can meet all customer requirements. Among other things, the following are custom-made by us:

- Cuttings Surface bearing
- Blanks Strip or point bearing



Whether installed by ourselves or by the customer, quality assurance after installation is a very high priority for us.

Experienced engineers from the engineering department calculate the optimal solution for you.



The company's own acoustics laboratory enables measurements and comparisons under near-building but standardised conditions.

4 5

Delivery, installation advice, Quality assurance

We process the timely delivery, provide installation advice and carry out quality assurance of our materials:

- Delivery from our own warehouse in Stetten AG, with a complete range of high-quality products and materials.
- Faultless execution by our assembly teams. Quality assurance with function guarantee by HBT-ISOL and recorded acceptance tests.

6 7

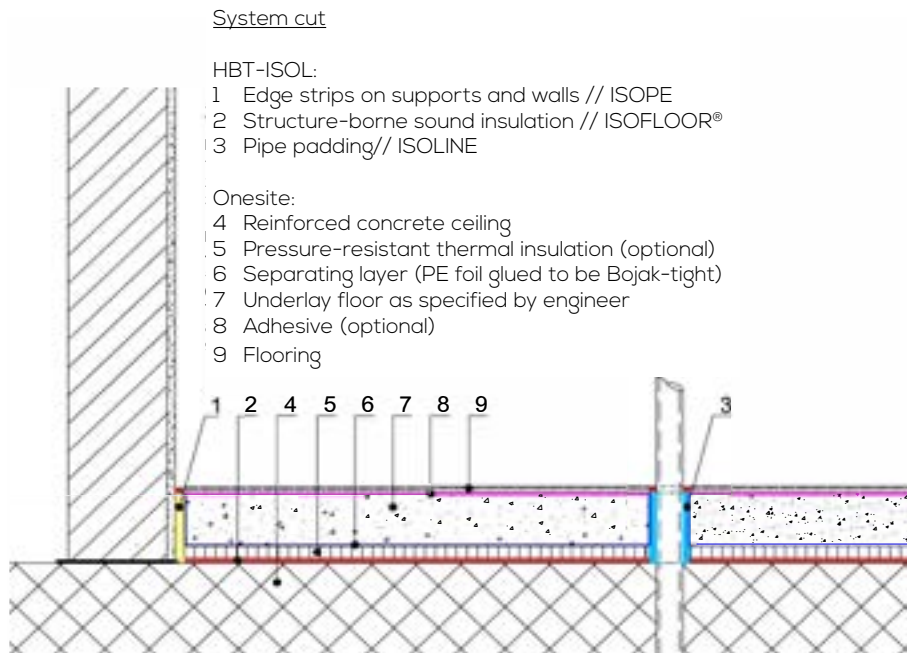
Research and development in the HBT-ISOL Acoustics Laboratory

In the company's own building acoustics laboratory, we are continuously working on improving our materials and customer solutions:

- Vibration and structure-
- borne sound measurements.
- Impact sound measurements.
- Material and system analyses.
- Comparisons under near-building but standardised conditions.

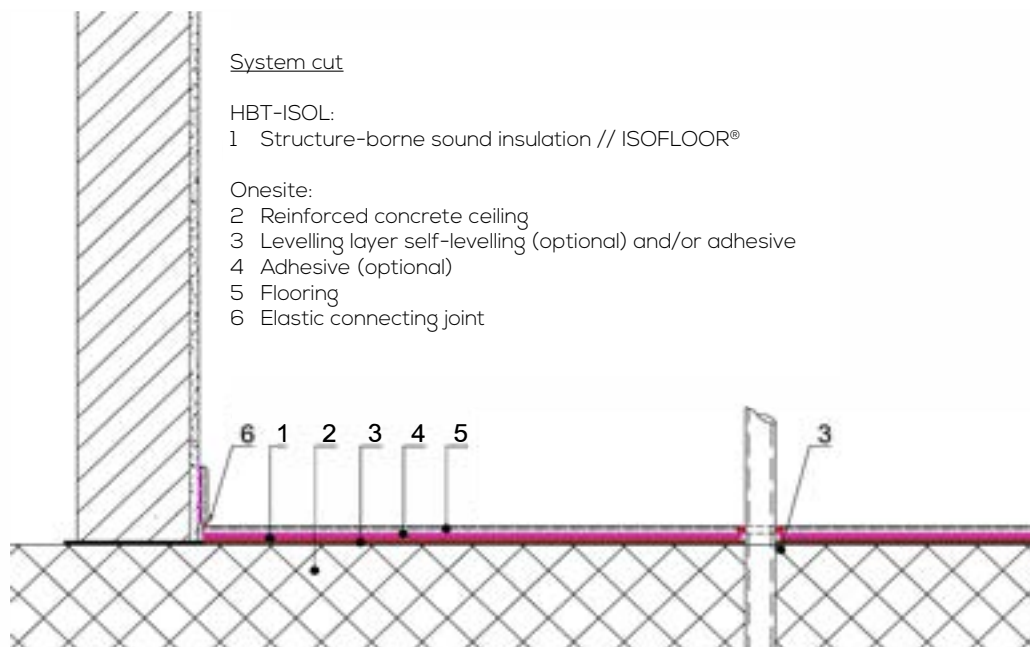
System cuts

Example of use underneath the screed.



Please read the instructions, processing guidelines and the requirements for the horizontal mounting surfaces before each installation of a resilient mount.

Example of use directly on the ceiling



Please read the instructions, processing guidelines and the requirements for the horizontal mounting surfaces before each installation of a resilient mount.

Product range overview ISOFLOOR®

We offer a wide range of ISOFLOOR® products for use under or above the screed. If you have any questions, please do not hesitate to contact our technical service.

ISOFLOOR®-Type	Impact sound reduction ΔL_w ¹⁾	dyn. stiffness [MN/m ³]	Thermal conductivity λ [W/mK] ²⁾	Natural frequencies [Hz]	Pressing Recommendet upper limit, at use level
ISOFLOOR®-PK40-2	≥ 12 dB	-	0.075	70 (0.035 N/mm ²)	27 kN/m ² 0.027 N/mm ²
ISOFLOOR®-PK40-3	≥ 16 dB	-	0.075	64 (0.035 N/mm ²)	33 kN/m ² 0.033 N/mm ²
ISOFLOOR®-PK40-5	≥ 17 dB	-	0.075	56 (0.035 N/mm ²)	50 kN/m ² 0.050 N/mm ²
ISOFLOOR®-PK40-2-B1	≥ 12 dB	-	0.075	70 (0.035 N/mm ²)	27 kN/m ² 0.027 N/mm ²
ISOFLOOR®-PK40-3-B1	≥ 16 dB	-	0.075	61 (0.035 N/mm ²)	30 kN/m ² 0.030 N/mm ²
ISOFLOOR®-PT04-8	≥ 28 dB	≤ 13	0.033	26 (0.004 N/mm ²)	4 kN/m ² 0.004 N/mm ²
ISOFLOOR®-G80-6	≥ 16 dB	≤ 49	0.089	38 (0.07 N/mm ²)	65 kN/m ² 0.065 N/mm ²
ISOFLOOR®-G80-8	≥ 17 dB	≤ 48	0.089	37 (0.07 N/mm ²)	80 kN/m ² 0.080 N/mm ²
ISOFLOOR®-G80-10	≥ 18 dB	≤ 40	0.089	34 (0.07 N/mm ²)	90 kN/m ² 0.090 N/mm ²
ISOFLOOR®-P12-20	≥ 34 dB	≤ 11	0.039	22 (0.012 N/mm ²)	12.5 kN/m ² 0.0125 N/mm ²
ISOFLOOR®-P20-20	≥ 32 dB	≤ 15	0.039	41 (0.02 N/mm ²)	20 kN/m ² 0.020 N/mm ²
ISOFLOOR®-P40-10	≥ 29 dB	≤ 21	0.039	47 (0.04 N/mm ²)	40 kN/m ² 0.040 N/mm ²

Thickness [mm]	Insert below screed	Insert above screed	Fire performance	Lamination	Surface
2	(✓)	✓	E _{fl} **	-	both sides flat
3	(✓)	✓	E _{fl} **	-	both sides flat
5	(✓)	✓	E _{fl} **	-	both sides flat
2	(✓)	✓	B _{fl}	-	both sides flat
3	(✓)	✓	B _{fl}	-	both sides flat
8	✓	-	E _{fl}	fleece laminated	both sides flat
6	(✓)	✓	E _{fl}	-	both sides flat
8	✓	(✓)	E _{fl}	-	both sides flat
10	✓	(✓)	E _{fl}	-	both sides flat
20	✓	-	E _{fl}	-	both sides flat
20	✓	-	E _{fl}	-	both sides flat
10	✓	-	E _{fl}	-	both sides flat

(✓) In consultation with the HBT-ISOL technical department

** also available with fire behaviour B_{fl} - s1

- 1) Measured on 240 mm concrete floor, under 150 mm screed 330 kg/m² with surface correction, without bonding. For products ISOFLOOR®-P12, P20 and P40, the values determined refer exclusively to Empa test report no. 5214029136, taking into account the surface correction according to Eler, Sprinz and Hübelt (2017).
- 2) Based on DIN EN 12667-2001.

ISOFLOOR®-PK40-2

PU foam and cork rolls for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR®-PK40 rolls are made from PU foam residues and cork. For this purpose, fine PU foam granulates and cork are bonded with a PU elastomer.



Area of application

ISOFLOOR®-PK40-2 rolls are ideal for impact sound insulation and decoupling of floor coverings in the renovation sector or for low installation heights. They can be laid under laminate, parquet, carpet as well as linoleum and PVC and provide more peace and quietness. ISOFLOOR® rolls create a pleasant living and working climate and are a universal product for high demands. In certain cases, this product can also be used under screed.

Specifikation

- Stable against weak acids and alkalis	- 100% recyclable	- Extremely robust and durable
- Permanently elastic	- Low creep behavior	
- High homogeneity	- High resilience	

Product/Logistics data

Colour	Brown (cork), black/grey/beige/brown (PU foam), can oxidise in UV light without loss of function
Form	Roll, both sides flat
Roll	1'000 x 30'000 mm
Thickness	2 ± 0.3 mm
Density	585 ± 50 kg/m ³
Storage	Store dry, in evenly tempered rooms
Storage period	Unlimited when stored correctly

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistance	Dynamic stiffness	Thermal conductivity λ
$\Delta L_w \geq 12$ dB ^{(1) (2)}	0.027 N/mm ² 27 kN/m ²	E _{fl} , E (to EN 13501-1) (B _{fl} -s1 on request)	- 30°C to + 80°C	-	0.075 W/mK

Technical data

Colour	Brown (cork), black/grey/beige/brown (PU foam), can oxidise in UV light without loss of function
Form	Roll, both sides flat
Roll	1'000 x 30'000 mm
Thickness	2 ± 0.3 mm
Density	585 ± 50 kg/m ³
Storage	Store dry, in evenly tempered rooms
Storage period	Unlimited when stored correctly

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISOFLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISOFLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

(1) The values determined refer exclusively to the test setup in the acoustics laboratory: 240 mm thickness concrete ceiling, ISOFLOOR®-roll, concrete slab 330 kg/m², not glued, with surface correction.

(2) For impact sound improvement values in combination with systems, see page 13.

ISOFLOOR®-PK40-3

PU foam and cork rolls for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR®-PK40 rolls are made from PU foam residues and cork. For this purpose, fine PU foam granulates and cork are bonded with a PU elastomer.



Area of application

ISOFLOOR®-PK40-3 rolls are ideal for impact sound insulation and decoupling of floor coverings in the renovation sector or for low installation heights. They can be laid under laminate, parquet, carpet as well as linoleum and PVC and provide more peace and quietness. ISOFLOOR® rolls create a pleasant living and working climate and are a universal product for high demands. In certain cases, this product can also be used under the screed.

Specification

- Stable against weak acids and alkalis	- 100% recyclable.	- Extremely robust and durable.
- Permanently elastic	- Low creep behavior.	
- High homogeneity	- High resilience	

Product/Logistics data

Colour	Brown (cork), black/grey/beige/brown (PU foam), can oxidise in UV light without loss of function
Form	Roll, both sides flat
Roll	1'000 x 20'000 mm
Thickness	3 ± 0.3 mm
Density	585 ± 50 kg/m ³
Storage	Store dry, in evenly tempered rooms
Storage period	Unlimited when stored correctly

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistance	Dynamic stiffness	Thermal conductivity λ
$\Delta L_w \geq 16$ dB ^{(1) (2)}	0.033 N/mm ² 33 kN/m ²	E _{fl} , E (to EN 13501-1) (B _{fl} -s1 on request)	- 30°C to + 80°C	-	0.075 W/mK

Processing

Mounting surface	The testing and preparation of the mounting surface must comply with the respective country-specific standards and the state of the art. The substrate must be even, solid, dry, free of cracks, clean and free of substances that impair the adhesive strength. Thoroughly sweep or vacuum the installation surface. To even out unevenness, treat the substrate with a suitable primer or undercoat and level with suitable levelling compounds.
Floating laying	Cut the ISOFLOOR® rolls to fit and do not fix them. When laying, maintain a sufficient distance from walls and contacting building components that corresponds to the requirements of the surface covering.
Flooring	For loose or glued installation of the floor coverings, the instructions of the respective adhesive and/or covering manufacturer must be observed.
Recommended adhesive	See page 14.
Processing instructions	Only lay coverings on the insulation underlays that have been approved by the manufacturer for this application. Before each installation, please observe the instructions and processing guidelines of the adhesive and covering manufacturer. In case of doubt, consult the manufacturers technical advice.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISOFLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISOFLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

(1) The values determined refer exclusively to the test setup in the acoustics laboratory: 240 mm thickness concrete ceiling, ISOFLOOR®-roll, concrete slab 330 kg/m², not glued, with surface correction.

(2) For impact sound improvement values in combination with systems, see page 13.

ISOFLOOR®-PK40-5

PU foam and cork rolls for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR®-PK40 rolls are made from PU foam residues and cork. For this purpose, fine PU foam granulates and cork are bonded with a PU elastomer.



Area of application

ISOFLOOR®-PK40-5 rolls are ideal for impact sound insulation and decoupling of floor coverings in the renovation sector or for low installation heights. They can be installed under laminate, parquet, carpet as well as linoleum and PVC and provide more peace and quietness. ISOFLOOR® rolls create a pleasant living and working climate and are a universal product for high demands. In certain cases, this product can also be used under the screed.

Specification

- Stable against weak acids and alkalis.	- 100% recyclable	- Extremely robust and durable
- Permanently elastic	- Low creep behavior	
- High homogeneity	- High resilience	

Product/Logistics data

Colour	Brown (cork), black/grey/beige/brown (PU foam), can oxidise in UV light without loss of function
Form	Roll, both sides flat.
Roll	1'000 x 16'000 mm
Thickness	5 ± 0.3 mm
Density	585 ± 50 kg/m ³
Storage	Store dry, in evenly tempered rooms
Storage period	Unlimited when stored correctly

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistance	Dynamic stiffness	Thermal conductivity
$\Delta L_w \geq 17$ dB ^{(1) (2)}	0.050 N/mm ² 50 kN/m ²	E _{fl} , E (to EN 13501-1)	- 30°C to + 80°C	-	0.075 W/mK

Processing

Underground	The testing and preparation of the mounting surface must comply with the respective country-specific standards and the state of the art. The substrate must be even, solid, dry, free of cracks, clean and free of substances that impair the adhesive strength. Thoroughly sweep or vacuum the installation surface. To even out unevenness, treat the substrate with a suitable primer or undercoat and level with suitable levelling compounds.
Floating laying	Cut the ISOFLOOR® rolls to fit and do not fix them. When laying, maintain a sufficient distance from walls and contacting building components that corresponds to the requirements of the surface covering.
Superstructure	For loose or glued installation of the top layers, the instructions of the respective adhesive or top layer manufacturer must be observed.
Recommended adhesive	See page 14
Processing instructions	Only lay coverings on the insulation underlays that have been approved by the manufacturer for this application. Before each installation, please observe the instructions and processing guidelines of the adhesive and top floor manufacturer. In case of doubt, seek technical advice from the manufacturer.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISOFLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISOFLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

(1) The values determined refer exclusively to the test setup in the acoustics laboratory: 240 mm thickness concrete ceiling, ISOFLOOR®-roll, concrete slab 330 kg/m², not glued, with surface correction.

(2) For impact sound improvement values in combination with systems, see page 13.

ISOFLOOR®-PK40-2-B1 (flame resistant)

PU foam and cork rolls for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR®-PK40-B1 rolls are made from PU foam residues and cork. For this purpose, fine PU foam granulates and cork are bonded with a PU elastomer. The additional B1 designation indicates that this material is classified as flame retardant.



Area of application

ISOFLOOR®-PK40-2-B1 rolls are ideal for impact sound insulation and decoupling of floor coverings in the renovation sector or for low installation heights when increased fire protection is also required. They can be laid under laminate, parquet, carpet as well as linoleum and PVC and provide more peace and quietness. ISOFLOOR® rolls create a pleasant living and working climate and are a universal product for high demands.

Specification

- Flame resistant.	- 100% recyclable.	- Extremely robust and durable.
- Permanently elastic.	- Low creep behavior.	- Stable against weak acids and alkalis.
- High homogeneity.	- High resilience.	

Product/ Logistics data

Colour	Brown (cork), black/grey/beige/brown (PU foam), can oxidise in UV light without loss of function.
Form	Roll, both sides flat
Roll	1'000 x 30'000 mm
Thickness	2 ±0.3 mm
Density	585 ± 50 kg/m ³
Storage	Store dry, in evenly tempered rooms
Storage period	Unlimited when stored correctly

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistance	Dynamic stiffness	Thermal conductivity λ
$\Delta L_w \geq 12$ dB ⁽¹⁾ ⁽²⁾	0.027 N/mm ² , 27 kN/m ²	B _{fi} - s1 (nach EN 13501-1)	- 30°C to + 80°C	-	0.075 W/mK

Processing

Underground	The testing and preparation of the mounting surface must comply with the respective country-specific standards and the state of the art. The substrate must be even, solid, dry, free of cracks, clean and free of substances that impair the adhesive strength. Thoroughly sweep or vacuum the installation surface. To even out unevenness, treat the substrate with a suitable primer or undercoat and level with suitable levelling compounds.
Floating laying	Cut the ISOFLOOR® rolls to fit and do not fix them. When laying, maintain a sufficient distance from walls and contacting building components that corresponds to the requirements of the surface covering.
Superstructure	For loose or glued installation of the top layers, the instructions of the respective adhesive or top layer manufacturer must be observed.
Recommended adhesive	See page 14
Processing instructions	Only lay coverings on the insulation underlays that have been approved by the manufacturer for this application. Before each installation, please observe the instructions and processing guidelines of the adhesive and top flooring manufacturer. In case of doubt, seek technical application advice from the manufacturer.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISOFLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISOFLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

(1) The values determined refer exclusively to the test setup in the acoustics laboratory: 240 mm thickness concrete ceiling, ISOFLOOR®-roll, concrete slab 330 kg/m², not glued, with surface correction.

(2) For impact sound improvement values in combination with systems, see page 13.

ISOFLOOR®-PK40-3-B1 (flame resistant)

PU foam and cork rolls for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR®-PK40-B1 rolls are made from PU foam residues and cork. For this purpose, fine PU foam granulates and cork are bonded with a PU elastomer. The additional B1 designation indicates that this material is classified as flame retardant.



Area of application

ISOFLOOR®-PK40-3-B1 RollIn are ideal for impact sound insulation and decoupling when increased fire protection is required. They can be installed under laminate, parquet, carpet as well as linoleum and PVC and provide more peace and quietness. ISOFLOOR® products create a pleasant living and working climate and are a universal product for high demands.

Specification

- Flame resistant.	- 100% recyclable.	- Extremely robust and durable.
- Permanently elastic.	- Low creep behavior.	- Stable against weak acids and alkalis.
- High homogeneity .	- High resilience.	

Product/Logistics data

Colour	Brown (cork), black/grey/beige/brown (PU foam), can oxidise in UV light without loss of function.
Form	Roll, both sides flat
Roll	1'000 x 20'000 mm
Thickness	3 ±0.3 mm
Density	585 ± 50 kg/m ³
Storage	Store dry, in evenly tempered rooms
Storage period	Unlimited when stored correctly

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistance	Dynamic stiffness	Thermal conductivity λ
$\Delta L_w \geq 16$ dB ^{(1) (2)}	0.030 N/mm ² 30 kN/m ²	B _{fl} - s1 (nach EN 13501-1)	- 30°C to + 80°C	-	0.075 W/mK

Processing

Underground	The testing and preparation of the mounting surface must comply with the respective country-specific standards and the state of the art. The substrate must be even, solid, dry, free of cracks, clean and free of substances that impair the adhesive strength. Thoroughly sweep or vacuum the installation surface. To even out unevenness, treat the substrate with a suitable primer or undercoat and level with suitable levelling compounds.
Floating laying	Cut the ISO FLOOR® rolls to fit and do not fix them. When laying, maintain a sufficient distance from walls and contacting building components that corresponds to the requirements of the surface covering.
Superstructure	For loose or glued installation of the top layers, the instructions of the respective adhesive or top layer manufacturer must be observed.
Recommended adhesive	See page 14.
Processing instructions	Only lay coverings on the insulation underlays that have been approved by the manufacturer for this application. Before each installation, please observe the instructions and processing guidelines of the adhesive and top floor manufacturer. In case of doubt, seek technical advice from the manufacturer.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISO FLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISO FLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

(1) The values determined refer exclusively to the test setup in the acoustics laboratory: 240 mm thickness concrete ceiling, ISO FLOOR®-roll, concrete slab 330 kg/m², not glued, with surface correction.

(2) For impact sound improvement values in combination with systems, see page 13.

Impact sound reduction in conjunction with specific systems

ISO FLOOR®-PK40 – Impact sound insulation values (according to standard EN ISO 10140-1 for 2 mm and 3 mm ISO FLOOR®-PK40)

Pos.	Year	Testing institute	Test report number	Designation (Brand)
1	2015	TFI Aachen	451416-04	Saint Maclou
2	2011	SWA	117/23	-
3	2011	SWA	117/16	-
4	2017	TFI Aachen	471808-19	Bolon sheets
5	2011	SWA	117/1	Carpet covering
6	2011	SWA	117/9	Tarkett Charme
10	2015	TFI Aachen	451416-01	Saint Maclou
11	2017	TFI Aachen	471808-16	ARKIT
12	2017	TFI Aachsen	471808-28	Bolon roll
13	2011	SWA	117/20	-
20	2017	TFI Aachsen	470243-06	Liberty clic 30

Support type	PK40 Thickness	Impact sound reduction ΔL_w ¹⁾	Ceiling support	Test area
Laminate	2 mm	17 dB	7.5 mm Laminate, loose installation	-
Parquet	2 mm	17 dB	10 mm Parquet (3-layer), loose installation	Test area 1.2 m ²
Parquet	2 mm	19 dB	10 mm Parquet (2-layer), glued installation	Test area 1.2 m ²
Textile	2 mm	16 dB	4 mm Bolon, glued installation (2x)	Test area 0.5 x 1.0 m ²
Textile	2 mm	25 dB	Textile floor covering, glued installation	-
PVC panels	2 mm	19 dB	3 mm PVC flooring, loose installation	-
Laminate	3 mm	16 dB	7.5 mm Laminate, loose installation	Test area approx. 1.2 m ²
PVC panels	3 mm	17 dB	2 mm PVC panels, glued installation (2x)	-
Textile	3 mm	17 dB	2 mm Textiles, glued installation (2x)	Test area 0.5 x 0.9 m ²
Parquet	3 mm	18 dB	10 mm Parquet (2-layer), glued installation	Test area 1.2 m ²
PVC panels	2 mm Bl	16 dB	4,2 mm LVT, loose installation	Test area 0.95 x 0.45 m ²

¹⁾ related to the overall construction


Approved adhesives and approvals

ISO FLOOR®-PK40 adhesive

(Always follow the manufacturers instructions. If in doubt, contact the manufacturer directly).

Manufacturer	Flooring				
	Laminate	Parquet	Carpets	Linoleum	PVC
Schönox®		Schönox HARO-ELASTIC (EC1-R) Schönox MSP CLASSIC (EC1 PLUS R)	Schönox EMICLASSIC (EC1 PLUS)	Schönox EMICLASSIC (EC1 PLUS)	Schönox EMICLASSIC (EC1 PLUS)
Bona®	Bona R860 (EC1-R PLUS) Bona R770 (EC1-R PLUS)	Bona R850 / R850T (EC1-R PLUS) Bona R870T (EC1-R PLUS) Bona R770 (EC1-R PLUS) Bona R777 (EC1-R PLUS) Bona R778 (EC1-R PLUS)		Bona R770 (EC1-R PLUS)	Bona R770 (EC1-R PLUS)
Forbo	144 Euromix PU Multi (EC1-R PLUS)	157 Emowood MS Hard Elastic (EC1-R PLUS) 144 Euromix PU Multi (EC1-R PLUS)	622 Emostar Star Track (EC1 PLUS)	622 Emostar Star Track (EC1 PLUS)	622 Emostar Star Track (EC1 PLUS)
Uzin	Uzin MK 92 S (EC1-R PLUS)	Uzin MK 250 NEU (EC1-R PLUS) Uzin MK 92 S (EC1-R PLUS)	Uzin KE 2000 S (EC1 PLUS)	Uzin KE 2000 S (EC1 PLUS)	Uzin KE 2000 S (EC1 PLUS)

Certifications



www.blauer-engel.de/uz156

- low emission
- low pollutant content
- harmless to health in the living environment

HBT-ISOL AG
Werk Salzwedel

ISO FLOOR®
Verlegeunterlage

Brandverhalten:
DIN EN 13501-1 E₁
(normal entflammbar)

Emissionsgeprüftes
Bauprodukt nach
DIBt Grundsätzen

DIBt Zulassungsnummer:
Z-158.10-17

ISOFLOOR®-PT04-8

Multilayer composite product for impact sound reduction.

Material

ISOFLOOR®-PT04-8 is a multilayer composite product consisting of polyester fibres, thermally cross-linked recycled PET, with a foamed polyethylene layer and a protective fleece as a finish.



Area of application

ISOFLOOR®-PT04-8 rolls are ideal for impact sound reduction, under lightweight floating screeds with a low installation height. Alternatively, it can also be used under prefabricated concrete slabs for impact sound reduction. The product is supplied with an overlap on one side for quick and easy installation.

Specification

- Overlaps for easier installation	- Recyclable	- Stable against weak acids and alkalis
- Permanently elastic and non-rotting	- Extremely robust and durable.	
- High homogeneity	- Fleece laminated	

Product/Logistics data

Colour	Greenish (polyester fibres), Black (polyethylene layer), White (protective fleece)
Form	Roll, both sides flat
Roll	1'500 x 40'000 mm
Thickness	8 ± 10%
Density	52 ± 10% kg/m ³
Storage	Store dry, in evenly tempered rooms
Storage period	Unlimited when stored correctly

Technical data

Impact sound reduction	Compressing (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistance	Dynamic stiffness	Natural frequency	Thermal conductivity λ
$\Delta L_w \geq 28$ dB ⁽¹⁾	0.004 N/mm ² , 4 kN/m ² *	E _{tr} E (nach EN 13501-1)	- 50°C to + 100°C	13 MN/m ³	26 Hz at 0.004 N/mm ²	0.033 W/mK

Processing

Underground	Avoid direct contact of ISOFLOOR® rolls with materials containing plasticisers (use a separating layer). Requirements for storage surface: Load-bearing capacity, sufficient compression of the ISOFLOOR® rolls, no loose components, cleanly stripped, free of overhangs and gravel pockets. Evenness under 2 m lath ≤ 10 mm, > 10 mm reprofile. Broom clean and dry.
Floating laying	The ISOFLOOR® rolls are laid loosely with the joints overlapping. The product must be laid so that the fleece lamination is on top. All joints must be taped with the adhesive tape supplied. In addition, it is recommended to protect the product from the concrete with 1 - 2 layers of tough PE film.
Superstructure	Concrete or screed with a flowable consistency as well as aerated concrete are only suitable to a limited extent and require additional, special sealing measures.
Processing instructions	The installation of ISOFLOOR® rolls should only be carried out by trained personnel. When using auxiliary products, such as adhesives, the requirements for the auxiliary products used must be observed. The corresponding product data sheets must be considered.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISOFLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISOFLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

(1) The values determined refer exclusively to the test setup in the acoustics laboratory: 240 mm thickness concrete ceiling, ISOFLOOR®-roll, concrete slab 330 kg/m², not glued, with surface correction.

* Stress category A,B,C1 + C2, according to SIA 251:2007, floating screeds indoors.

ISOFLOOR®-G80-6

Rubber granulate panels for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR®-G80 are made from rubber granulate and rubber fibres. For this purpose, technically high-quality rubber granules with specific grain curves are compressed with the addition of a precisely defined PU binder.



Area of Application

ISOFLOOR®-G80-6 rubber granulate panels are used for permanently elastic, structure-borne sound and vibration insulating support and separation of buildings, parts of buildings (e.g. screeds/load distribution panels in mixed use residential/commercial buildings and machine foundations) and separation of buildings, parts of buildings (e.g. screeds/load distribution slabs in mixed residential/commercial uses) and machine foundations. ISOFLOOR® G80-6 panels meet the highest demands and are particularly suitable for underlay floors/screeds when a bearing is required to achieve high insulation values at high loads. Use is conceivable under or above a screed, but the planned specifications must be taken into account.

Specification

- 100% recyclable	- Self training	- Extremely robust and durable
- Permanently elastic and non-rotting	- Low creep	- Stable against weak acids and alkalis
- High homogeneity	- High resilience	
- Moisture resistant		

Product/Logistics data

Colour	Black
Form	Platte, both sides flat
Length x width	1'000 x 500 mm
Thickness	6 ± 0.5 mm
Density	610 ± 50 kg/m ³
Storage	Store in a dry place, do not expose to direct sunlight

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistant	Dynamic stiffness	Natural frequency	Thermal conductivity λ
$\Delta L_w \geq 16$ dB ⁽¹⁾	0,065 N/mm ² (F_{RK})	E _{fl} , E (to EN 13501-1)	long term: - 40°C to + 80°C, short term: to + 110°C	49 MN/m ³ (to DIN EN ISO 9052-1)	38 Hz at 0,07 N/mm ²	0,089 W/mK

Processing

Mounting surface	Avoid direct contact of ISO FLOOR® panels with materials containing plasticisers (use a separating layer). Requirements for storage surface: Load-bearing capacity, sufficient compression of the ISO FLOOR® panels, no loose components, cleanly stripped, free of overhangs and gravel pockets. Evenness under 2 m lath ≤ 10 mm, > 10 mm reprofile. Broom clean and dry.
Installation	The ISO FLOOR® panels are laid loosely, the joints are butt-jointed. Before concreting work, the ISO FLOOR® panels are protected with 2 layers of tough PE film (0.2 mm) and bonded so that they are watertight..
Screed	Concrete or screed with a flowable consistency as well as aerated concrete are only suitable to a limited extent and require additional, special sealing measures.
Processing instructions	The installation of ISO FLOOR® panels should only be carried out by trained personnel. When using auxiliary products, such as adhesives, the requirements for the auxiliary products used must be observed. The corresponding product data panels must be considered.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISO FLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISO FLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

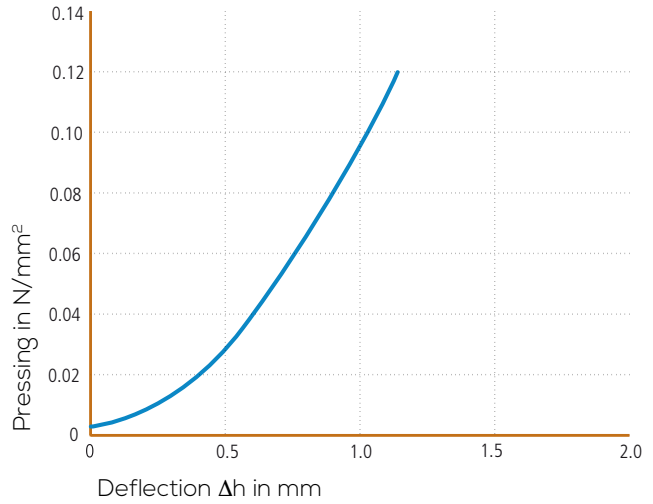
(1) The values determined refer exclusively to the test setup in the acoustics laboratory: 240 mm thickness concrete ceiling, ISO FLOOR®-roll, concrete slab 330 kg/m², not glued, with surface correction.

ISO FLOOR®-G80-6

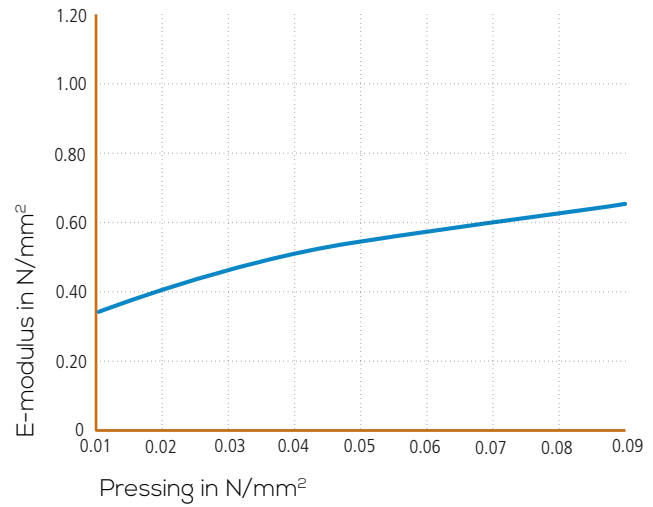
Rubber granulate panels for structure-borne sound insulation and impact sound reduction

Determination of material parameters: Technical University of Munich, according to DIN 45673-7

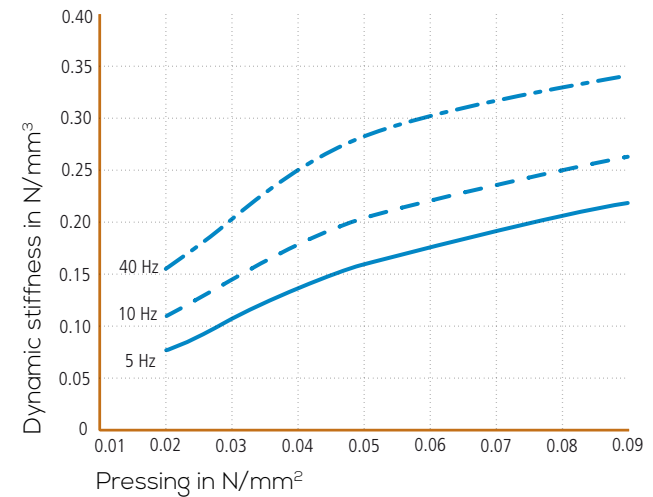
Deflection



Static elastic modulus



Dynamic subgrade reaction modulus



ISOFLOOR®-G80-8

Rubber granulate panels for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR® G80-8 panels are made of rubber granulate and rubber fibres. For this purpose, technically high-quality rubber granules with specific grain curves with the addition of a precisely defined PU binder is added.



Area of application

ISOFLOOR®-G80-8 rubber granulate panels are used for permanently elastic, structure-borne sound and vibration insulating support and separation of buildings, parts of buildings (e.g. screed/load distribution plates in mixed use residential/commercial buildings) and machine foundations. ISOFLOOR® G80-8 panels meet the highest demands and are particularly suitable for underneath a screed when a bearing needs to achieve high insulation values at high loads.

Specification

- 100% recyclable	- Self draining	- Extremely robust and durable
- Permanently elastic and non-rotting	- Low creep	- Stable against weak acids and alkalis.
- High homogeneity	- High resilience	
- Moisture resistant		

Product/Logistics data

Colour	Black
Form	Platte, both sides flat
Length x width	1000 x 500 mm
Thickness	8 ± 0.5 mm
Density	610 ± 50 kg/m ³
Storage	Store in a dry place, do not expose to direct sunlight
Storage period	Unlimited when stored correctly

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistant	Dynamic stiffness	Natural frequency	Thermal conductivity
$\Delta L_w \geq 17$ dB _w ⁽¹⁾	0.080 N/mm ² 80 kN/m ²	E _{fl} , E (to EN 13501-1)	long term: - 40°C to + 80°C, short term: to + 110°C	48 MN/m ³ (to DIN EN ISO 9052-1)	37 Hz at 0.07 N/mm ²	0.089 W/mK

Processing

Mounting surface	Avoid direct contact of ISOFLOOR® panels with materials containing plasticisers (use a separating layer). Requirements for storage surface: Load-bearing capacity, sufficient compression of the ISOFLOOR® panels, no loose components, cleanly stripped, free of overhangs and gravel pockets. Evenness under 2 m lath ≤ 10 mm, > 10 mm reprofile. Broom clean and dry.
Installation	The ISOFLOOR® panels are laid loosely, the joints are butt-jointed. Before concreting work, the ISOFLOOR® panels are protected with 2 layers of tough PE film (0.2 mm) and bonded in a buoy-proof manner.
Screed	Concrete or screed with a flowable consistency as well as aerated concrete are only suitable to a limited extent and require additional, special sealing measures.
Processing instructions	The installation of ISOFLOOR® panels should only be carried out by trained personnel. When using auxiliary products, such as adhesives, the requirements for the auxiliary products used must be observed. The corresponding product data panels must be considered.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISOFLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISOFLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

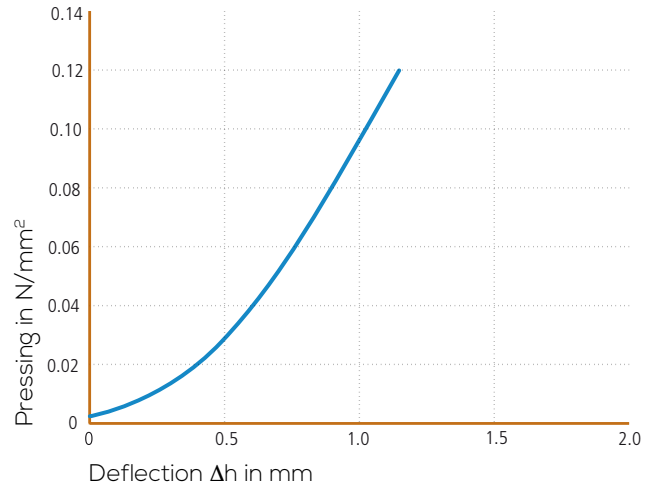
(1) The values determined refer exclusively to the test setup in the acoustics laboratory: 240 mm thickness concrete ceiling, ISOFLOOR®-roll, concrete slab 330 kg/m², not glued, with surface correction.

ISO FLOOR®-G80-8

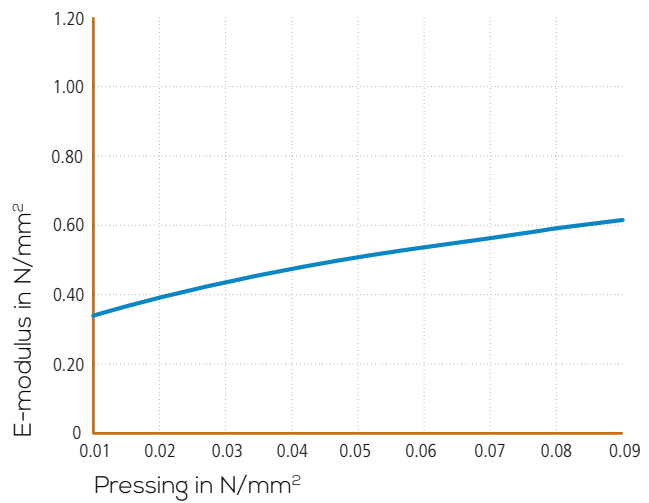
Rubber granulate panels for structure-borne sound insulation and impact sound reduction

Determination of material parameters: Technical University of Munich, according to DIN 45673-7

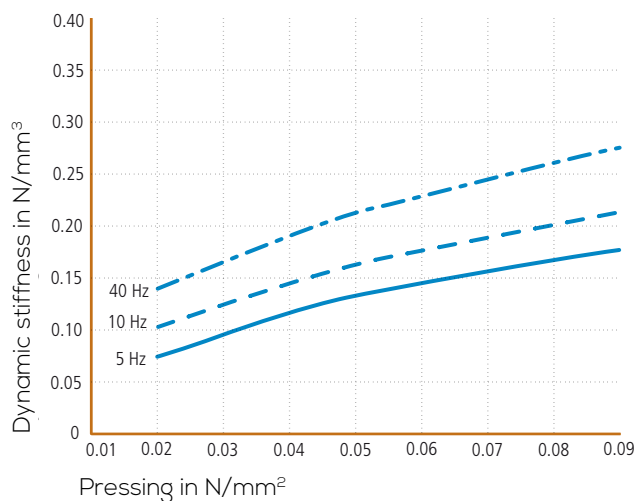
Deflection



Static elastic modulus



Dynamic subgrade reaction modulus



ISOFLOOR®-G80-10

Rubber granulate panels for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR®-G80 panels are made of rubber granulate and rubber fibres. For this purpose, technically high-quality rubber granules with specific grain curves are compressed with the addition of a precisely defined PU binder.



Area of application

ISOFLOOR®-G80-8 rubber granulate panels are used for permanently elastic, structure-borne sound and vibration insulating support and separation of buildings, parts of buildings (e.g. screed/load distribution plates in mixed use residential/commercial buildings) and machine foundations. ISOFLOOR® G80-8 panels meet the highest demands and are particularly suitable for underneath a screed when a bearing needs to achieve high insulation values at high loads.

Specification

- 100% recyclable	- Self draining	- Extremely robust and durable
- Permanently elastic and non-rotting	- Low creep	- Stable against weak acids and alkalis
- High homogeneity	- High resilience	
- Moisture resistant		

Product/Logistics data

Colour	Black
Form	Platte, both sides flat
Length x width	1'000 x 500 mm
Thickness	10 ± 0.5 mm
Density	610 ± 50 kg/m ³
Storage	Store in a dry place, do not expose to direct sunlight
Storage period	Unlimited when stored correctly

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistant	Dynamic stiffness	Natural frequency	Thermal conductivity λ
$\Delta L_w \geq 18$ dB ⁽¹⁾	0.090 N/mm ² 90 kN/m ²	E _{ff} , E (to EN 13501-1)	long term: - 40°C to + 80°C, short term: to + 110°C	40 MN/m ³ (to DIN EN ISO 9052-1)	34 Hz at 0.07 N/mm ²	0.089 W/mK

Processing

Mounting surface	Avoid direct contact of ISOFLOOR® panels with materials containing plasticisers (use a separating layer). Requirements for storage surface: Load-bearing capacity, sufficient compression of the ISOFLOOR® panels, no loose components, cleanly stripped, free of overhangs and gravel pockets. Evenness under 2 m lath ≤ 10 mm, > 10 mm reprofile. Broom clean and dry.
Installation	The ISOFLOOR® panels are laid loosely, the joints are butt-jointed. Before concreting work, the ISOFLOOR® panels are protected with 2 layers of tough PE film (0.2 mm) and bonded so that they are watertight.
Screed	Concrete or screed with a flowable consistency as well as aerated concrete are only suitable to a limited extent and require additional, special sealing measures.
Processing instructions	The installation of ISOFLOOR® panels should only be carried out by trained personnel. When using auxiliary products, such as adhesives, the requirements for the auxiliary products used must be observed. The corresponding product data panels must be considered.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISOFLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISOFLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

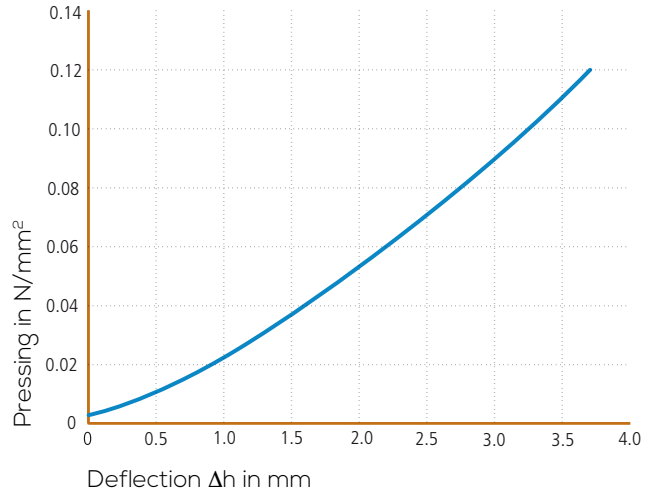
(1) The values determined refer exclusively to the test setup in the acoustics laboratory: 240 mm thickness concrete ceiling, ISOFLOOR®-roll, concrete slab 330 kg/m², not glued, with surface correction.

ISOFLOOR®-G80-10

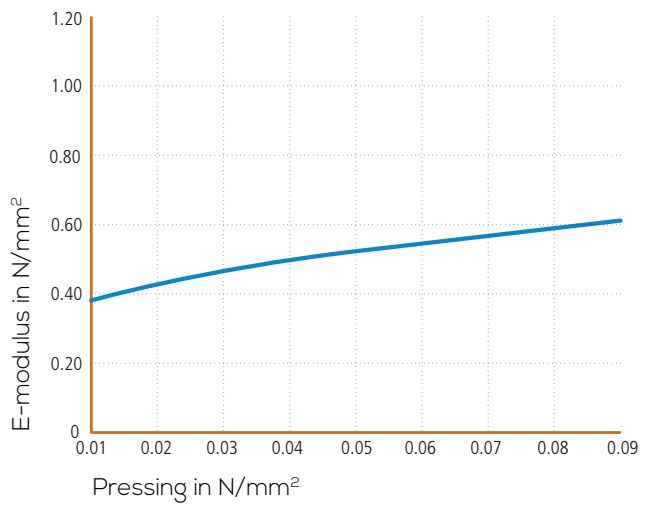
Rubber granulate panels for structure-borne sound insulation and impact sound reduction.

Determination of material parameters: Technical University of Munich, according to DIN 45673-7

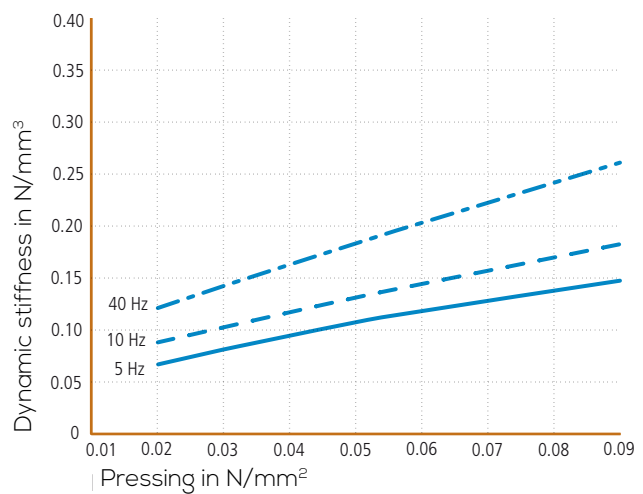
Deflection



Static elastic modulus



Dynamic subgrade reaction modulus



ISOFLOOR®-P12-20

Panels for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR®-P12-20 panels consist of granulated PUR foam residues, bonded with polyurethane (adhesive).



Area of application

ISOFLOOR®-P12-20 panels are used for permanently elastic, structure-borne sound and vibration damping support in floor superstructures such as floating screeds (underlays) or load distribution panels as well as in foundations for plant and equipment. ISOFLOOR®-P12-20 panels have very good impact sound insulation properties with high damping.

Specification

- 100 % recyclable	- Resource saving	- Stable against weak acids and alkalis
- Permanently elastic	- Unrottable	- Absorbs fall and impact energy
- Very low creep	- Very robust and durable	

Product/Logistic data

Colour	Different colours, colour pattern may differ from illustration
Form	Sheet material, edges trimmed, both sides flat
Length x width	1'000 x 500 mm (Width ±10 mm, length ±30 mm)
Thickness	20 mm ±1.0 mm (Thickness from 5 to 50 mm available from 200 m ²)
Storage	Store in a dry place, do not expose to direct sunlight
Storage period	Unlimited when stored correctly
Deflection at 80% compression load	2.5 mm ± 0.25 mm
Tensile strength	>0.11 MPa (DIN EN ISO 1798)
Ageing resistance	Very good, can oxidise in UV light without loss of function

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistance	Dynamic stiffness	Natural frequency	Thermal conductivity λ
$\Delta L_w \geq 34$ dB ⁽¹⁾	0.0125 N/mm ² 12.5 kN/m ² (F _{R,k})	E _{fl} , E (to EN 13501-1)	-30°C to +80°C	11 MN/m ³ (EN ISO 29052-1)	22 Hz at 0.012N/ mm ² 23.5 Hz at 0.008N/ mm ²	$\lambda = 0.039$ W/ mK (ISO 8301)

Processing

Mounting surface	Avoid direct contact of ISOFLOOR® panels with materials containing plasticisers (use a separating layer). Requirements for storage surface: Load-bearing capacity, sufficient compression of the ISOFLOOR® panels, no loose components, cleanly stripped, free of overhangs and gravel pockets. Evenness under 2 m lath ≤ 10 mm, > 10 mm reprofile. Broom clean and dry. (Mandatory!)
Installation	The ISOFLOOR® panels are laid loosely, the joints are butt-jointed. Before concreting work, the ISOFLOOR® panels are protected with 2 layers of tough PE film (0.2 mm) and bonded so that they are watertight.
Screed	Concrete or screed with flowable consistency as well as aerated concrete are only suitable to a limited extent and require additional, special sealing measures.
Processing instructions	The installation of ISOFLOOR® panels should only be carried out by trained personnel. When using auxiliary products, such as adhesives, the requirements for the auxiliary products used must be observed. The corresponding product data panels must be considered.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISOFLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISOFLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

(1) The values determined refer exclusively to Empa test report no. 5214029136, taking into account the area correction to Erlar, Sprinz and Hübelt (2017).

ISOFLOOR®-P20-20

Panels for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR®-P20-20 panels consist of granulated PUR foam residues, bonded with polyurethane (adhesive).



Area of application

ISOFLOOR®-P20-20 is used for permanently elastic, structure-borne sound and vibration damping in floor superstructures such as floating screeds (underlays) or load distribution plates as well as in foundations for plant and equipment. ISOFLOOR®-P20-20 has very good impact sound insulation properties with high damping.

Specification

- 100% recyclable	- Resource saving	- Stable against weak acids and alkalis
- Permanently elastic	- Unrotttable	- Absorbs fall and impact energy
- Very low creep	- Very robust and durable	

Product/Logistics data

Colour	Different colours, colour pattern may differ from illustration
Form	Sheet material, edges trimmed, both sides flat
Length x width	1'000 x 500 mm (Width $\pm 10\%$, length $\pm 10\%$)
Thickness	20 mm ± 1.0 mm (Thickness from 5 to 50 mm available from 200 m ²)
Storage	Store in a dry place, do not expose to direct sunlight
Storage period	Unlimited when stored correctly
Deflection at 80% compression load	2.5 mm ± 0.25 mm
Tensile strength	>0.11 MPa (DIN EN ISO 1798)
Ageing resistance	Very good, can oxidise in UV light without loss of function

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistance	Dynamic stiffness	Natural frequency	Thermal conductivity λ
$\Delta L_w \geq 32$ dB _w	0.02 N/mm ² 20 kN/m ² (FR,k)	E _{fl} , E (to EN 13501-1)	-30°C to +80°C	15 MN/m ³ (EN ISO 29052-1)	41 Hz at 0.02 N/mm ² 46 Hz at 0.008N/mm ²	$\lambda = 0.039$ W/mK (ISO 8301)

Processing

Mounting surface	Avoid direct contact of ISOFLOOR® panels with materials containing plasticisers (use a separating layer). Requirements for storage surface: Load-bearing capacity, sufficient compression of the ISOFLOOR® panels, no loose components, cleanly stripped, free of excess teeth and gravel pockets. Broom clean and dry. (Mandatory!)
Installation	The ISOFLOOR® panels are laid loosely, the joints are butt-jointed. Before concreting work, the ISOFLOOR® panels are protected with 2 layers of tough PE film (0.2 mm) and bonded so that they are watertight.
Screed	Concrete or screed with a flowable consistency as well as aerated concrete are only suitable to a limited extent and require additional, special sealing measures.
Processing instructions	The installation of ISOFLOOR® panels should only be carried out by trained personnel. When using auxiliary products, such as adhesives, the requirements for the auxiliary products used must be observed. The corresponding product data panels must be considered.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISOFLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISOFLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

(1) The values determined refer exclusively to Empa test report no. 5214029136, taking into account the area correction to Erler, Sprinz and Hübelt (2017).

ISOFLOOR®-P40-10

Panels for structure-borne sound insulation and impact sound reduction.

Material

ISOFLOOR®-P40-10 panels consist of granulated PUR foam residues, bonded with polyurethane (adhesive).



Area of application

ISOFLOOR®-P40-10 panels are used for permanently elastic, structure-borne sound and vibration insulating support in floor superstructures such as floating screeds (underlays). ISOFLOOR®-P40-10 panels have good impact sound insulation properties with high damping.

Specification

- 100 % recyclable.	- Resource saving.	- Stable against weak acids and alkalis.
- Permanently elastic.	- Unrottable	- Absorbs fall and impact energy.
- Very Low creep.	- Very robust and durable.	

Product/Logistics data

Colour	Different colours, colour pattern may differ from illustration
Form	Sheet material, edges trimmed, both sides flat
Length x width	1'000 x 500 mm (Width ±10 %, length ±10 %)
Thickness	10 mm ±1.0 mm (Thickness from 5 to 50 mm available from 200 m ²)
Storage	Store in a dry place, do not expose to direct sunlight
Storage period	Unlimited when stored correctly
Deflection at 80% compression load	1.2 mm ± 0.25 mm
Tensile strength	>0.11 MPa (DIN EN ISO 1798)
Ageing resistance	Very good, can oxidise in UV light without loss of function

Technical data

Impact sound reduction	Compression (recommended upper limit, at use level)	Fire behaviour class (Euroclass)	Temperature resistance	Dynamic stiffness	Natural frequency	Thermal conductivity λ
$\Delta L_w \geq 29$ dB ⁽¹⁾	0.04 N/mm ² 40 kN/m ² (FR,k)	E _{fl} , E (to EN 13501-1)	-30°C to +80°C	21 MN/m ³ (EN ISO 29052-1)	47 Hz at 0.04 N/ mm ² 53 Hz at 0.01 N/ mm ²	$\lambda = 0.039$ W/ mK (ISO 8301)

Processing

Mounting surface	Avoid direct contact of ISO FLOOR® panels with materials containing plasticisers (use a separating layer). Requirements for storage surface: Load-bearing capacity, sufficient compression of the ISO FLOOR® panels, no loose components, cleanly stripped, free of excess teeth and gravel pockets. Broom clean and dry. (Mandatory!)
Installation	The ISO FLOOR® panels are laid loosely, the joints are butt-jointed. Before concreting work, the ISO FLOOR® panels are protected with 2 layers of tough PE film (0.2 mm) and bonded so that they are watertight.
Screed	Concrete or screed with a flowable consistency as well as aerated concrete are only suitable to a limited extent and require additional, special sealing measures.
Processing instructions	The installation of ISO FLOOR® panels should only be carried out by trained personnel. When using auxiliary products, such as adhesives, the requirements for the auxiliary products used must be observed. The corresponding product data panels must be considered.

Safety/Health

Safety note	The local safety requirements must be observed
Class of dangerous goods	ISO FLOOR® rolls are not classified in the sense of «hazardous products»
Disposal	ISO FLOOR® rolls are recyclable. Waste code according to European Waste Catalogue Regulation: 19 12 04. Local requirements regarding disposal must be observed

(1) The values determined refer exclusively to Empa test report no. 5214029136, taking into account the area correction to Erler, Sprinz and Hübelt (2017).

ISOFLOOR® – Examples for applications



Lucerne University

In the case of the Lucerne University of Applied Sciences and Arts building in Viscosistadt, workshops were decoupled with the ISOFLOOR® product so that disruptive energies do not have a negative impact on the classrooms via the secondary sound paths.



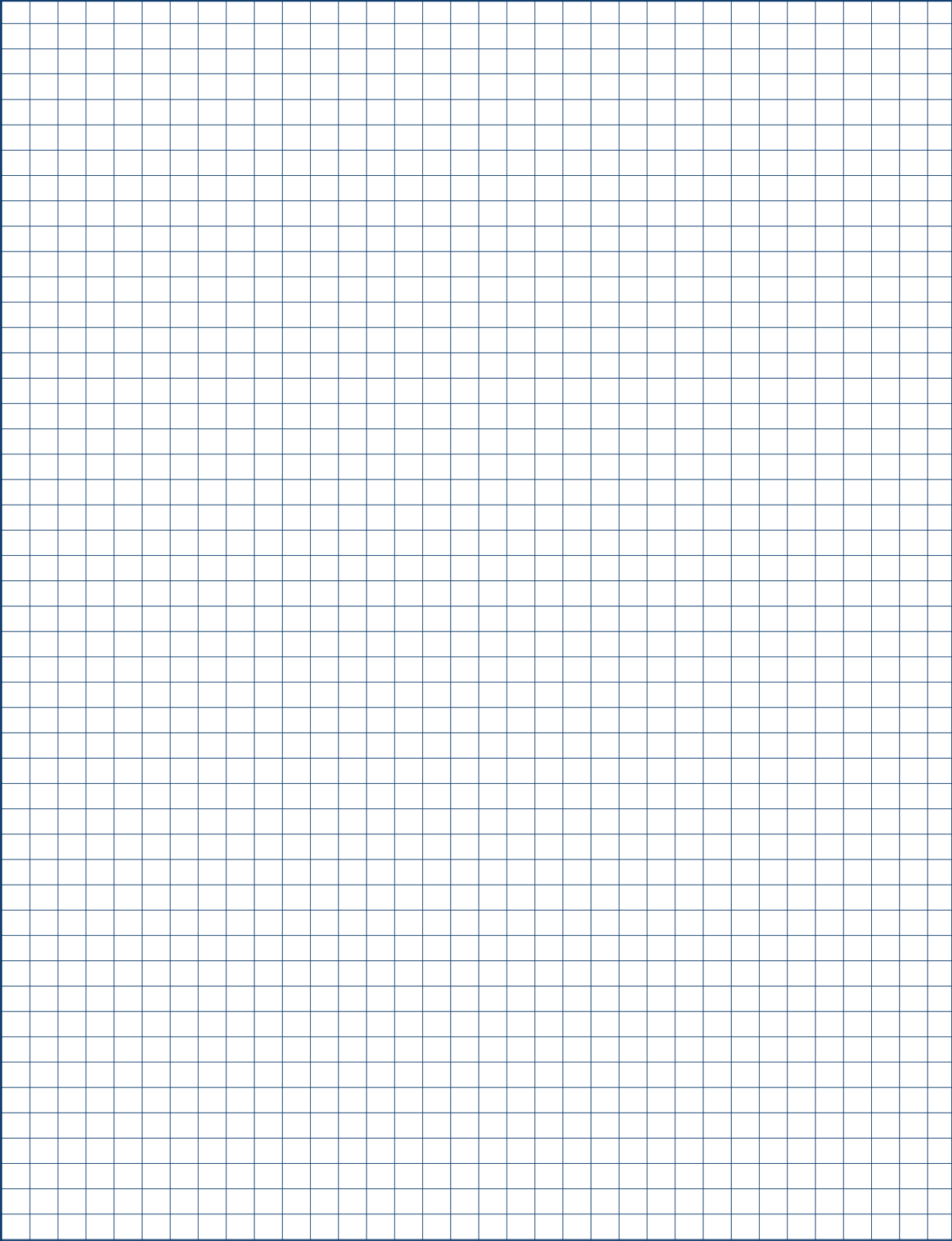
ISOFLLOOR® – Examples for applications



ISOFLLOOR® provides excellent structure-borne sound insulation and impact sound reduction that is permanently elastic, rot-proof and extremely robust.



Notes

A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares. A horizontal line is drawn across the grid, approximately one-third of the way down from the top.

Expertise for your construction project

HBT-ISOL's innovative soundproofing solutions protect buildings, building users and occupants from internal and external sound and vibration.

- protection for people and buildings from vibrations from rail traffic.
- effective insulation of structure-borne sound in mixed use buildings, such as residential- shopping, offices-commercial, gymnastics above classrooms, etc.
- impact sound insulation in staircases.
- vibration and structure-borne sound insulation for HVAC.
- crack-reduction and sound insulation between walls and ceilings.
- structure-borne sound insulating fixings.
- vibration protection for production plants.

First-class products, many years of experience and personalised support from conception to execution guarantee clients, building planners and building contractors economic efficiency and technical safety.

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Website: www.vibisol.se

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