

Globe Wall Mineral EI

wall panel made of a resistant to fire mineral fibre

PANEL WITH REACTION TO FIRE: CLASSE A2-S1. D0

PANEL WITH REACTION TO FIRE:
EI 30 FOR A 50 MM THICK PANEL
EI 60 FOR A 80 MM THICK PANEL
EI 90 FOR A 100 MM THICK PANEL
EI 120 FOR A 120 MM THICK PANEL

DIMENSIONS:

WIDTH: 1.000 MM
LENGTH: CUSTOMISABLE
MAXIMUM LENGTH AVAILABLE: ON DEMAND
THICKNESSES: MM 50, 60, 80, 100, 120

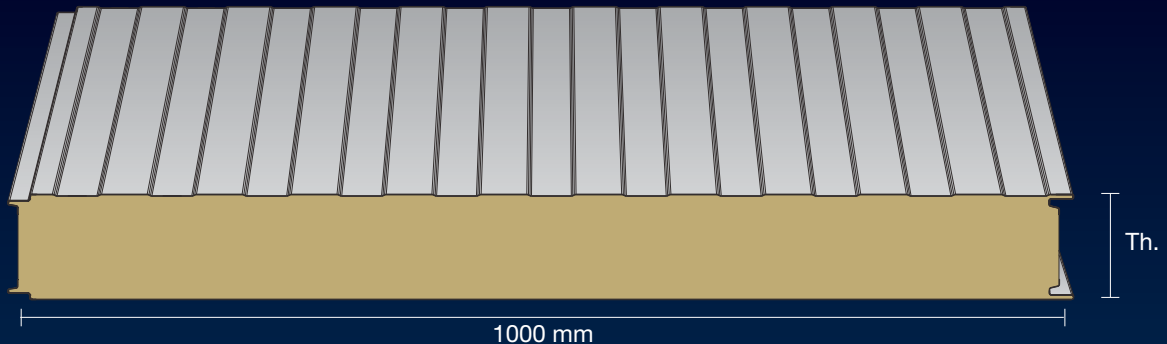
INSULATING CORE:

MADE WITH AN INSULATION LAYER COMPOSED OF BIOSOLUBLE MINERAL WOOL STRIPS, PLACED IN A LONGITUDINAL WAY, WITH THE FIBRES BEING SET AT 90 DEGREES TO THE PLANE OF THE TWO FACINGS.

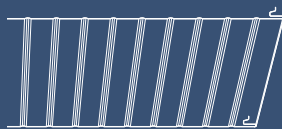
DENSITY: 100 KG/M³ ±10% DIFFERENT DENSITY AVAILABLE ON DEMAND.
THERMAL-CONDUCTIVITY COEFFICIENT TILL = 0.039 WATT/MK

FACINGS:

PREPAINTED GALVANISED STEEL.
THE STANDARD THICKNESSES OF THE GALVANISED STEEL AND PREPAINTED FACINGS ARE 0.6 MM + 0.6 MM.
OTHER THICKNESSES ARE AVAILABLE ON DEMAND.



Available facings (to be specified when ordering)



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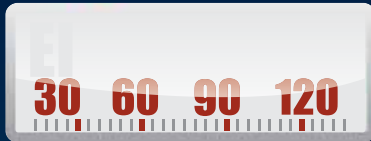
Plank



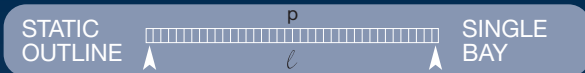
Smooth

Thermal characteristics

U transmittance	PANEL NOMINAL THICKNESS (mm)			
	50	80	100	120
W/m ² K	0.760	0.470	0.380	0.320
Kcal/m ² h °C	0.655	0.405	0.328	0.276



Static characteristics (kg/m²)



External facing: steel 0.5 mm. - Internal facing: steel 0.5 mm.

PANEL THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)	
	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6		
50	165	120	95	80	70	60	50					13.14
80	265	200	160	130	115	100	85	80	70	55		16.14
100	320	240	190	160	135	120	105	95	85	80		19.86
120	345	260	205	170	145	130	115	100	90	85		21.86

p = (kg/m²) uniformly distributed load - Working support width: 50 mm
Normal deflection limit: $l/200$

Static characteristics (kg/m²)



External facing: steel 0.5 mm. - Internal facing: steel 0.5 mm.

PANEL THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)	
	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6		
50	130	95	75	65	55							13.14
80	215	160	125	105	90	80	70	60	55	50		16.14
100	255	190	150	125	110	95	80	70	65	55		19.86
120	260	195	155	130	110	95	85	75	65	60		21.86

p = (kg/m²) uniformly distributed load - Working support width: 100 mm
Normal deflection limit: $l/200$

Static characteristics (kg/m²)



External facing: steel 0.5 mm. - Internal facing: steel 0.5 mm.

PANEL THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)	
	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6		
50	135	100	80	65	55	50						13.14
80	220	165	130	110	95	80	70	65	60	55		16.14
100	280	210	165	140	120	105	90	80	75	65		19.86
120	285	215	170	140	120	105	95	85	75	70		21.86

p = (kg/m²) uniformly distributed load - Working support width: 100 mm
Normal deflection limit: $l/200$