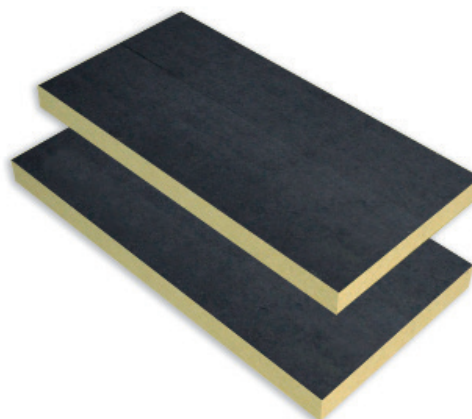


ISOPANEL-W

MINERAL WOOL SLABS WITH GLASS FIBRE TISSUE



DESCRIPTION

Mineral wool slabs ISOPANEL marked with the code in accordance to PN-EN 13162 MW-EN 13162-T3-DS(TH)-CS(10)15-TR5-WS-MU1

Mineral wool slabs as natural non-organic product is obtained as a result of melting rocks - basalt, gabbro. They assure perfect thermal and acoustic insulation as well as high fire protection. Available slabs dimensions: 1000x600 [mm].
* Different dimensions can be produced upon customer request.
Slabs trimming: with one-side lining

PRODUCT APPLICATION

For thermal, acoustic and fire insulation of:

- external walls with panel facade insulated by the light-dry method (made of sheet, board, siding),
- three-layer walls,
- external walls with stone or glass facades,
- stud walls,
- partition walls,
- three-layer foundation walls,
- as an acoustic insulation in acoustic screens.

Mineral wool slabs ISOPANEL-W should be stored in original packing till its application. Product should be stored in the way which protects them against moisture and precipitation.

Declared thermal resistance R_0 for respective thicknesses of the product

Thickness [mm]							
40	50	60	80	100	120	140	150
Thermal conductivity R_0 [m ² K/W]							
1,10	1,35	1,65	2,20	2,75	3,30	3,85	4,15

DIMENSIONS AND PACKAGING

Thickness of plates	Format of plates		No. of plates in a package	Cover surface of one package	Volume of the package	No. of packages on a pallet	Cover surface of plates on the pallet	Volume of plates on the pallet
	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m ²]	[m ³]	[pcs]	[m ²]	[m ³]
40	1000	600	6	3,60	0,144	20	72,00	2,880
50	1000	600	6	3,60	0,180	16	57,60	2,880
60	1000	600	5	3,00	0,180	16	48,00	2,880
80	1000	600	3	1,80	0,144	20	36,00	2,880
100	1000	600	3	1,80	0,180	16	28,80	2,880
120	1000	600	2	1,20	0,144	20	24,00	2,880
140	1000	600	2	1,20	0,168	16	19,20	2,688



TECHNICAL DATA

Types of plates			ISOPANEL-W	
Product code (indicates declared levels or classes of product properties)			MW-EN 13162-T3-DS(TH)-CS(10)15-TR5-WS-MU1	
Declared properties of the product acc. to PN-EN 13162	Method of testing	Unit of measurement	Levels or tolerances	
			Codes of classes or levels	Values
Length (class of dimensional tolerance)	PN-EN 822	[%]	[-]	± 2
Width (class of dimensional tolerance)		[%]	[-]	± 1,5
Thickness (class of dimensional tolerance)	PN-EN 823	[mm/%]	T3	- 3mm / + 10%
		[%/mm]		- 3% / + 10mm
Rectangularity S_b	PN-EN 824	[mm/m]	[-]	≤ 5
Flatness S_{max}	PN-EN 825	[mm]	[-]	≤ 6
Dimensional stability in specified conditions of temperature and relative humidity	PN-EN 1604	[%]	DS(TH)	± 1,0 (change of thickness, length and width)
		[mm/m]		± 1 (change of flatness)
Compressive stress at 10% deformation	PN-EN 826	[kPa]	CS(10)15	≥ 15
Tensile strength perpendicular to faces	PN-EN 1607	[kPa]	TR5	≥ 5
The level of short-term water absorption	PN-EN 1609	[kg/m ²]	WS	≤ 1,0
The value of the diffusion resistance of vapour	PN-EN 12086	[-]	MU1	≤ 1
Thermal conductivity coefficient λ_b	PN-EN 12667	[W/mK]	[-]	≤ 0,036
Reaction to fire	PN-EN 13501-1	A to F	Euroclass	A1
Apparent density	PN-EN 1602	[kg/m ³]	[-]	110

OFFICIAL DOCUMENTATION

Certificate of Conformity EC NR 1434-CPR-0166

Declaration of Performance No. 11/2013 in accordance to standard PN-EN 13162

Certificate of Hygiene No. HK/B/0146/01/2011



ISOPANEL-W

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