

ISOPANEL

MINERAL WOOL SLABS



DESCRIPTION

Mineral wool slabs ISOPANEL are marked with the code in accordance to PN-EN 13162 MW-EN 13162-T4-DS(TH)-TR10-PL(5)250-WS-CS(10)30-MU1-WL(P)

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

* Different dimensions can be produced upon customer request.

PRODUCT APPLICATION

For thermal, acoustic and fire insulation of:

- external walls insulated by „light-weight“ method in so called seamless thermal insulation system (ETICS),
- as an acoustic insulation in acoustic screens,
- as a thermal insulation in chimney systems.

Rigid mineral wool slabs ISOPANEL, 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_p for respective thicknesses of the product

Thickness [mm]									
50	60	80	100	110	120	140	150	160	200
Thermal conductivity R_p [m ² K/W]									
1,35	1,65	2,20	2,75	3,05	3,30	3,85	4,15	4,40	5,55

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]
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
150	1000	600	2	1,20	0,180	16	19,20	2,880
160	1000	600	2	1,20	0,192	12 + 16	33,60	5,376
200	1000	600	2	1,20	0,240	12	14,40	2,880



ISOPANEL

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TECHNICAL DATA

Types of plates		ISOPANEL			
Product code (indicates declared levels or classes of product properties)		MW-EN 13162-T4-DS(TH)-TR10-PL(5)250-WS-CS(10)30-MU1-WL(P)			
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/%]	T4	- 3mm / + 5%	
		[%/mm]		- 3% / + 5mm	
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)	
Tensile strength perpendicular to faces	PN-EN 1607	[kPa]	TR 10	≥ 10	
The level of point load at 5 mm deformation	EN 12430	[N]	PL(5)250	≥ 250	
The level of short-term water absorption	PN-EN 1609	[kg/m ²]	WS	≤ 1,0	
Compressive stress at 10% deformation	PN-EN 826	[kPa]	CS(10)30	≥ 30	
The value of the diffusion resistance of vapour	PN-EN 12086	[-]	MU1	≤ 1	
The level of long-term water absorption at partial immersion	PN-EN 12087	[kg/m ²]	WL(P)	≤ 3,0	
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 No. 1434-CPR-0166

Declaration of Performance No. 06/2013 in accordance to standard PN-EN 13162

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



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