

ISOROOF-B

MINERAL WOOL SLABS

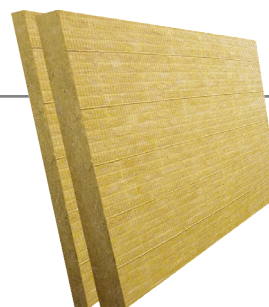
DESCRIPTION

Mineral wool slabs ISOROOF marked with the code in accordance to PN-EN 13162 MW-EN 13162-T3-DS(TH)-TR7,5-PL(5)350-WS-CS(10)40-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 and 2000x1200 [mm]

* Different dimensions can be produced upon customer request.



PRODUCT APPLICATION

For thermal, acoustic and fire insulation of:

- non-ventilated flat roofs with concrete or steel structure in single-layer system ISODACH MONO,
- floor insulation under the under floor base coat (normally loaded).

Rigid mineral wool slabs ISOROOF-B, 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_D for respective thicknesses of the product

Thickness [mm]						
50	60	80	100	120	140	150
Thermal conductivity R_D [m ² K/W]						
1,30	1,55	2,10	2,60	3,15	3,65	3,90

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	Number of plates 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]	[pcs]	[m ²]	[m ³]
50	1000	600	6	3,60	0,180	16	24	57,60	2,880
	2000	1200							
60	1000	600	5	3,00	0,180	16	20	48,00	2,880
	2000	1200							
80	1000	600	3	1,80	0,144	20	15	36,00	2,880
	2000	1200							
100	1000	600	3	1,80	0,180	16	12	28,80	2,880
	2000	1200							
120	1000	600	2	1,20	0,144	20	10	24,00	2,880
	2000	1200							
140	1000	600	2	1,20	0,168	16	8	19,20	2,688
	2000	1200							
150	1000	600	2	1,20	0,180	16	8	19,20	2,880
	2000	1200							



ISOROOF-B

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TECHNICAL DATA

Types of plates		ISOROOF-B		
Product code (indicates declared levels or classes of product properties)		MW-EN 13162-T3-DS-(TH)-TR7,5- PL(5)350-WS-CS(10)40-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/%]	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)
Tensile strength perpendicular to faces	PN-EN 1607	[kPa]	TR7,5	≥ 7,5
The level of point load at 5mm deformation	EN 12430	[N]	PL(5)350	≥ 350
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)40	≥ 40
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]	[-]	≤ 0,038
Reaction to fire	PN-EN 13501-1	A to F	Euroclass	A1
Apparent density	PN-EN 1602	[kg/m ³]	[-]	130

OFFICIAL DOCUMENTATION

Certificate of Conformity EC No. 1434-CPR-0166

Declaration of Performance No. 07/2013 in accordance to standard PN-EN 13162

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



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