

ISOVENT-M

MINERAL WOOL SLABS



DESCRIPTION

Mineral wool slabs ISOVENT-M are marked with the code in accordance to PN-EN 13162 MW-EN 13162-T3-DS(TH)-TR5-CS(10)10-WS-WL(P)-MU1-AW1

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.

PRODUCT APPLICATION

For thermal, acoustic and fire insulation of:

- façades with elevation panels (i.e. sheet, board, siding),
- three-layer system walls,
- external walls with stone or glass elevation, skeleton constructions, covered and cavity walls,
- partition walls,
- three-layer foundation wall system,
- as an acoustic insulation in acoustic screens.

Light mineral wool slabs ISOVENT-M, 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]						
80	100	120	140	150	160	200
Thermal conductivity R_D [m ² K/W]						
2,25	2,85	3,40	4,00	4,25	4,55	5,70

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	Volume of plates on the pallet
	Length	Width					
[mm]	[mm]	[mm]	[pcs]	[m ²]	[m ³]	[pcs]	[m ³]
80	1000	600	3	1,80	0,144	20	2,880
100	1000	600	3	1,80	0,180	16	2,880
120	1000	600	2	1,20	0,144	20	2,880
140	1000	600	2	1,20	0,168	16	2,688
150	1000	600	2	1,20	0,180	16	2,880
160	1000	600	2	1,20	0,192	12	2,304
200	1000	600	2	1,20	0,240	12	2,880



TECHNICAL DATA

Types of plates		ISOVENT-M		
Product code (indicates declared levels or classes of product properties)		MW-EN 13162-T3-DS(TH)-TR5- CS(10)10-WS-WL(P)-MU1-AW1		
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]	TR5	≥ 5
Compressive stress at 10% deformation	PN-EN 826	[kPa]	CS(10)10	≥ 10
The level of short-term water absorption	PN-EN 1609	[kg/m ²]	WS	≤ 1,0
The level of long-term water absorption at partial immersion	PN-EN 12087	[kg/m ²]	WL(P)	≤ 3,0
The value of the diffusion resistance of vapour	PN-EN 12086	[-]	MU1	≤ 1
Value of weighted coefficient of sound absorption	EN ISO 11654	[-]	AW1	1,0
Thermal conductivity coefficient λ_b	PN-EN 12667	[W/mK]	[-]	≤ 0,035
Reaction to fire	PN-EN 13501-1	A to F	Euroclass	A1

Apparent density	PN-EN 1602	[kg/m ³]	[-]	80 for thickness < 80 mm
				75 for thickness 80 - 100 mm
				65 for thickness > 100 mm

OFFICIAL DOCUMENTATION

Certificate of Conformity EC No. 1434-CPR-0166

Declaration of Performance No.13/2013 in accordance to standard PN-EN 13162

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



ISOVENT-M

ISOROC POLSKA S.A.
ul. Leśna 30, 13-100 Nidzica
phone: (+48 89) 625 03 01
fax: (+48 89) 625 03 02
e-mail: nidzica@isoroc.pl

CUSTOMER SERVICE DEPARTMENT
ul. Leśna 30, 13-100 Nidzica
phone: (+48 89) 625 03 11
phone: (+48 89) 625 03 13
fax (+48 89) 625 03 19
e-mail: export@isoroc.pl