

# ISOVENT

## MINERAL WOOL SLABS



### DESCRIPTION

Mineral wool slabs ISOVENT are marked with the code in accordance to PN-EN 13162 MW-EN 13162-T4-DS(TH)-WS- MU1-AW1-CS(10)15- 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 [mm].  
\*Different dimensions can be produced upon customer request.

### 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 a thermal insulation in chimney systems,
- as an acoustic insulation in acoustic screens.

Mineral wool slabs ISOVENT, 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	150	200
Thermal conductivity $R_D$ [m <sup>2</sup> K/W]				
2,20	2,75	3,30	4,15	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 <sup>2</sup> ]	[m <sup>3</sup> ]	[pcs]	[m <sup>2</sup> ]	[m <sup>3</sup> ]
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
150	1000	600	2	1,20	0,180	16	19,20	2,880
200	1000	600	2	1,20	0,240	12	14,40	2,880



## TECHNICAL DATA

Types of plates		ISOVENT		
Product code (indicates declared levels or classes of product properties)		MW-EN 13162-T4-DS(TH)-WS-MU1-AW1-CS(10)15-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)
The level of short-term water absorption	PN-EN 1609	[kg/m <sup>2</sup> ]	WS	≤ 1,0
The value of the diffusion resistance of vapour	PN-EN 12086	[-]	MU1	≤ 1
Value of weighted coefficient of sound absorption		[-]	AW1	1,0
Compressive stress at 10% deformation	PN-EN 826	[kPa]	CS(10)15	≥ 15
The level of long-term water absorption at partial immersion	PN-EN 12087	[kg/m <sup>2</sup> ]	WL(P)	≤ 3,0
Thermal conductivity coefficient $\lambda_b$	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 <sup>3</sup> ]	[-]	90

## OFFICIAL DOCUMENTATION

Certificate of Conformity EC No. 1434-CPR-0166

Declaration of Performance No. 03/2013 in accordance to standard PN-EN 13162

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



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