

# ISOVENT-L

## MINERAL WOOL SLABS



### DESCRIPTION

Mineral wool slabs ISOVENT-L marked with the code in accordance to PN-EN 13162 MW-EN 13162-T2-DS(TH)-CS(10)0,5-WS-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: 1000x500 and 1000x610 [mm].

\* Different dimensions can be produced upon customer request.

### PRODUCT APPLICATION

For thermal, acoustic and fire insulation of:

- facades insulated by the "light-dry" method with stone, glass or PVC lining etc.
- attics, between rafters, floors between joists,
- suspended ceilings,
- partition walls for filling of steel structures,
- cavity walls with ventilated or non-ventilated air gap
- filling of skeletal, wooden or steel constructions,
- in ventilated flat roofs.

Light mineral wool slabs ISOVENT-L 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	150	200
Thermal conductivity $R_D$ [m <sup>2</sup> K/W]					
1,35	1,65	2,20	2,75	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> ]
50	1000	500	12	6,00	0,300	20	120	6,000
		610	12	7,32	0,366	16	117	5,856
60	1000	500	9	4,50	0,270	20	90	5,400
		610	9	5,49	0,329	16	88	5,270
80	1000	500	6	3,00	0,240	20	60	4,800
		610	6	3,66	0,293	16	59	4,685
100	1000	500	6	3,00	0,300	20	60	6,000
		610	6	3,66	0,366	16	59	5,856
150	1000	500	4	2,00	0,300	20	40	6,000
		610	4	2,44	0,366	16	39	5,856
200	1000	500	3	1,50	0,300	20	30	6,000
		610	3	1,83	0,366	16	29	5,856



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## TECHNICAL DATA

Types of plates			ISOVENT-L	
Product code (indicates declared levels or classes of product properties)			MW-EN 13162-T2-DS(TH)-CS(10)0,5- WS-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	<100 mm [mm/%]	T2	- 5mm / + 15%
		≥100 mm [%/mm]		- 5% / + 15mm
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)0,5	≥ 0,5
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
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 $\lambda_D$	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> ]	[-]	50

## OFFICIAL DOCUMENTATION

Certificate of Conformity EC No. 1434-CPR-0166

Declaration of Performance No. 02/2013 in accordance to standard PN-EN 13162

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



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