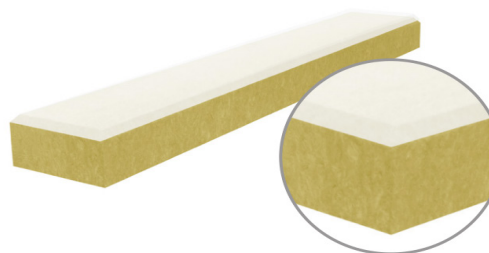


ISOFAS-LMG

MINERAL WOOL SLABS



DESCRIPTION

Mineral wool slabs ISOFAS-LMG are marked with the code in accordance to PN-EN 13162 MW-EN 13162-T5- TR80-W5-CS(Y)30-MU1

ISOFAS-LMG is a technical mineral wool with lamella fibres structure, i.e. with vertically oriented fibres.

Such a structure makes the slabs more flexible thus it is easy to fit to bend insulated surfaces and arched elements of the building walls. The alignment of the fibers in the perpendicular direction, also implies that the slab is gaining enhanced parameters of tensile and compressive strength.

Available slabs dimensions: 1200x200 [mm].

Slabs trimming: mineral wool lamella slab is also available with cutted edges on one surface – technical mineral wool, used in Insulation System for ceilings of cellars and underground garages.

PRODUCT APPLICATION

For thermal, acoustic and fire insulation in:
- for the insulation system of garage and cellar floors from the ceiling side - made by spray method.

Mineral wool lamella slabs ISOFAS-LMG 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	80	100	120	150	200
Thermal conductivity R_D [m ² K/W]					
1,20	1,95	2,40	2,90	3,65	4,85

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]
50	1200	200	8	1,92	0,0960	60	5,760
80	1200	200	6	1,44	0,1152	50	5,760
100	1200	200	4	0,96	0,0960	60	5,760
120	1200	200	4	0,96	0,1152	50	5,760
150	1200	200	4	0,96	0,1440	40	5,760
200	1200	200	4	0,96	0,1920	30	5,760



TECHNICAL DATA

Types of plates		ISOFAS-LMG MW-EW13162-T5-TR60-WS-CS(Y)30-MU1			
		Method of testing	Unit of measurement	Levels or tolerances	
Declared properties of the product acc. to PN-EN 13162	Codes of classes or levels			Values	
	Length (class of dimensional tolerance)		PN-EN 822	[%]	[-]
Width (class of dimensional tolerance)		[%]		[-]	± 1,5
Thickness (class of dimensional tolerance)	<100 mm	PN-EN 823	[mm/mm]	T5	- 1 mm/ + 3mm
	≥100 mm		[%/mm]		- 1% / + 3mm
Rectangularity S_b		PN-EN 824	[mm/m]	[-]	≤ 5
Flatness S_{max}		PN-EN 825	[mm]	[-]	≤ 6
Tensile strength perpendicular to faces		PN-EN 1607	[kPa]	TR60	≥ 60
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(Y)30	≥ 30
The value of the diffusion resistance of vapour		PN-EN 12086	[-]	MU1	≤ 1
Thermal conductivity coefficient λ_b		PN-EN 12667	[W/mK]	[-]	≤ 0,041
Reaction to fire		PN-EN 13501-1	A to F	Euroclass	A1
Apparent density		PN-EN 1602	[kg/m ³]	[-]	80

OFFICIAL DOCUMENTATION

Certificate of Conformity EC No. 1434-CPR-0166

Declaration of Performance No. 15/2013 in accordance to standard PN-EN 13162

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

