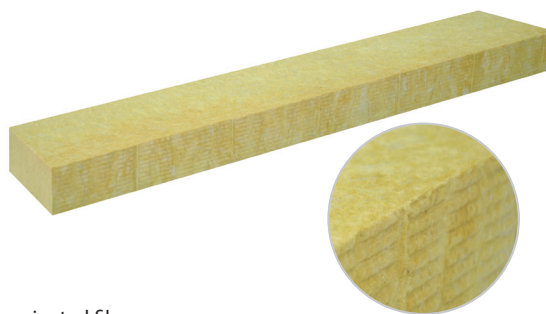


ISOFAS-LM

MINERAL WOOL SLABS



DESCRIPTION

Mineral wool slabs ISOFAS-LM are marked with the code in accordance to PN-EN 13162
 MW-EN 13162-T5- DS(TH)-TR90-WS-CS(10)60-MU1-WL(P) (ISOFAS-LM d=50÷200 mm)
 MW-EN 13162-T5- DS(TH)-TR80-WS-CS(10)60-MU1-WL(P) (ISOFAS-LM d=210÷300 mm)

ISOFAS-LM 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:
 - light-wet (ETICS) method of external partitions of newly erected and existing buildings as well as ceilings of cellars and underground garages.

Mineral wool lamella slabs ISOFAS-LM 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	160	180	190	200	250	300
Thermal conductivity R_D [m ² K/W]												
1,20	1,45	1,95	2,40	2,90	3,40	3,65	3,90	4,35	4,60	4,85	6,05	7,30

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
60	1200	200	8	1,92	0,1152	50	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
140	1200	200	4	0,96	0,1344	40	5,376
150	1200	200	4	0,96	0,1440	40	5,760
160	1200	200	4	0,96	0,1536	35	5,376
180	1200	200	4	0,96	0,1728	30	5,184
200	1200	200	4	0,96	0,1920	30	5,760
250	1200	200	2	0,48	0,1200	50	6,000
300	1200	200	2	0,48	0,1444	40	5,760



TECHNICAL DATA

Types of plates		ISOFAS-LM			
		MW-EW13162-T5-DS(TH)-TR90-WS-CS(10)60-MU1-WL(P) (d=50-200 mm) MW-EW13162-T5-DS(TH)-TR80-WS-CS(10)60-MU1-WL(P) (d=210-300 mm)			
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/mm]	T5	- 1 mm/ + 3mm	
		[%/mm]		- 1% / + 3mm	
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]	TR90	≥ 90 (thickness 50÷200 mm)	
			TR80	≥ 80 (thickness 210÷300 mm)	
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)60	≥ 60	
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]	[-]	≤ 0,041	
Reaction to fire	PN-EN 13501-1	A to F	Euroclass	A1	
Apparent density		PN-EN 1602	[kg/m ³]	[-]	90

OFFICIAL DOCUMENTATION

Certificate of Conformity EC No. 1434-CPR-0166

Declaration of Performance No. 04/2013 in accordance to standard PN-EN 13162 (ISOFAS-LM d=50÷200 mm)

Declaration of Performance No. 04a/2013 in accordance to standard PN-EN 13162 (ISOFAS-LM d=210÷300 mm)

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



ISOFAS-LM

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