ISOROC®
Energy saving thermal insulation

ISOFAS-LMG

BEVELLED, ONE SITE COATED MINERAL WOOL LAMELLA SLABS

DESCRIPTION

Bevelled, one site coated mineral wool lammella slabs ISOFAS-LMG are marked in accordance to PN-EN13162+A1:2015-04 with the code MW-EN 13162-T5-DS(70,90)-CS(Y)30-TR60-WS-WL(P)-MU1

ISOFAS-LMG is a mineral wool lamella slabs, i.e. fiber structure is perpendicular to the surface of the board.
This arrangement makes the slab more flexible and, in the case of building insulation, it better adapts to the curvatures and the arch elements of the building walls. Fibre structure affects parameters like tensile strength and compressive stress.

Available slabs dimensions: 200x1200 mm.

PRODUCT APPLICATION

Lamella slabs of mineral wool for thermal, acoustic and fire insulation:
- insulation of concrete soffit over unheated spaces like garages.

ISOFAS-LMG bevelled, one site coated mineral wool lamella slabs, 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	70	80	90	100	110	120	130	140	150	160	170	180	190	200
Thermal resistance R_D [m²K/W]															
1,20	1,45	1,70	1,95	2,15	2,40	2,65	2,90	3,15	3,40	3,65	3,90	4,10	4,35	4,60	4,85

DIMENSIONS AND PACKAGING

Slabs dimensions			No. of slabs on a pallet	Surface covered by slabs on a pallet	Mineral wool volume on a pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
50	1200	200	240	57,60	2,880
60			200	48,00	2,880
70			170	40,80	2,856
80			150	36,00	2,880
90			130	31,20	2,808
100			120	28,80	2,880
110			110	26,40	2,904
120			100	24,00	2,880
130			90	21,60	2,808
140			80	19,20	2,688
150			80	19,20	2,880
160			70	16,80	2,688
170			70	16,80	2,856
180			60	14,40	2,592
190			60	14,40	2,736
200			60	14,40	2,880

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TECHNICAL DATA

ISOFAS-LMG d=50÷200 mm
MW-EN 13162-T5-DS(70,90)-CS(Y)30-TR60-WS-WL(P)-MU1

Declared properties of the product acc. to PN-EN13162+A1:2015-04		Test method	Unit of measurement	Levels or tolerances	
				Classes of levels codes	Values
Length (class of dimensional tolerance)		PN-EN 822	[%]	[-]	± 2
Width (class of dimensional tolerance)			[%]	[-]	± 1,5
Thickness (class of thickness tolerance)	<100 mm	PN-EN 823	[mm/mm]	T5	-1mm/ + 3mm
	≥100 mm		[%/mm]		-1%/ + 3mm
Squareness S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specified temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1,0 (change of thickness, length and width)
			[mm/m]		± 1 (change of flatness)
Compressive strenght		PN-EN 826	[kPa]	CS(Y)30	≥ 15
Tensile strength perpendicular to faces		PN-EN 1607	[kPa]	TR60	≥ 60
Short-term water absorption		PN-EN 1609	[kg/m²]	WS	≤ 1,0
Water vapour diffusion resistance factor		PN-EN 12086	[-]	MU1	≤ 1
Thermal conductivity λ_D		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/m³]	[-]	90

OFFICIAL DOCUMENTATION

Certificate of Conformity EC No. 1434-CPR-0166
Declaration of Performance No.15/2016 accordance to standard PN-EN13162+A1:2015-04
Certificate of Hygiene No. 282/322/288/2017

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