

ISOFAS 35

STONE MINERAL WOOL SLABS

DESCRIPTION

Stone mineral wool slabs ISOFAS 35 are marked in accordance to PN-EN 13162+A1:2015-04
MW-EN 13162-T5-DS(70,90)-TR10-CS(10)20-WS-WL(P)-MU1-AFr5

Stone mineral wool slabs as non-organic product are obtained as a result of melting rocks - basalt, gabbro.

They assure perfect thermal and acoustic insulation as well as high fire protection.

Available slabs format: 1000x600 mm



PRODUCT APPLICATION

Stone mineral wool slabs for thermal, acoustic and fire insulation of external walls in ETICS system. Used also in building interior.

Stone mineral wool slabs ISOFAS 35 should be stored in original packing till application.

Product should be stored in the way which protects it against moisture and precipitation.

Declared thermal resistance R_D for respective product thicknesses

Thickness [mm]									
50	60	80	100	120	140	150	160	180	200
Thermal resistance R_D [m ² K/W]									
1,40	1,70	2,25	2,85	3,40	4,00	4,25	4,55	5,10	5,70

DIMENSIONS AND PACKAGING

Slab format			No. of slabs in a package	Surface covered by a package	Package volume ¹	No. of packages on a pallet	Surface covered by slabs on a pallet	Slabs volume on a pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[szt.]	[m ²]	[m ³]	[pcs]	[m ²]	[m ³]
50	1000	600	8	4,80	0,240	24	115,20	5,760
60	1000	600	6	3,60	0,216	24	86,40	5,184
80	1000	600	5	3,00	0,240	24	72,00	5,760
100	1000	600	4	2,40	0,240	24	57,60	5,760
120	1000	600	3	1,80	0,216	24	43,20	5,184
140	1000	600	3	1,80	0,252	20	36,00	5,040
150	1000	600	2	1,20	0,180	32	38,40	5,760
160	1000	600	2	1,20	0,192	28	33,60	5,376
180	1000	600	2	1,20	0,216	24	28,80	5,184
200	1000	600	2	1,20	0,240	24	28,80	5,760



PARAMETERS

ISOFAST 35 d=50÷200 mm				
MW-EN 13162-T5-DS(70,90)-TR10-CS(10)20-WS-WL(P)-MU1-AFr5				
Declared product properties acc. to PN-EN 13162+A1:2015-04	Test method	Unit	Levels or tolerances	
			Classes or levels codes	Values
Length (class of dimensional tolerance)	PN-EN 822	[%]	[-]	± 2
Width (class of dimensional tolerance)		[%]	[-]	± 1,5
Thickness (class of thickness tolerance)	PN-EN 823	< 100 mm [mm/mm]	T5	-1 mm / + 3 mm
		≥ 100 mm [%/mm]		- 1% / + 3 mm
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]		± 1,0 (change of flatness)
Compressive stress at 10% deformation	PN-EN 826	[kPa]	CS(10)20	≥ 20
Tensile strength perpendicular to faces	PN-EN 1607	[kPa]	TR10	≥ 10
Short-term water absorption	PN-EN 1609	[kg/m ²]	WS	≤ 1,0
Long-term water absorption by partial immersion	PN-EN 12087	[kg/m ²]	WL(P)	≤ 3,0
Water vapor diffusion resistance factor	PN-EN 12086	[-]	MU1	≤ 1,0
Air flow resistivity	PN-EN 29053	[kPa·s/m ²]	AFr5	≥ 5
Thermal conductivity λ _D	PN-EN 12667	[W/mK]	[-]	≤ 0,035
Reaction to fire	PN-EN 13501-1	A to F	Euroklasa	A1

OFFICIAL DOCUMENTATION

Certificate of Conformity EC No. 1454-CPR-1037

Declaration of Performance No. 138-WM-DoP-14-w2 in accordance to PN-EN 13162+A1:2015-04

