ISOROC®
Energy saving heat insulation

ISOFAS

MINERAL WOOL SLABS

DESCRIPTION

Mineral wool slabs ISOFAS are marked with the code in accordance to PN-EN 13162
MW-EN 13162-T4-DS(TH)-WS-MU1-AW1-CS(10)20-TR10-WL(P) (d=50-99 mm)
MW-EN 13162-T4-DS(TH)-WS-MU1-AW1-CS(10)30-TR10-WL(P) (d=100-200 mm)

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: 1000x600 [mm].
* Different dimensions can be produced upon customer request.

PRODUCT APPLICATION

For thermal, acoustic and fire insulation of:
- external walls insulated by light-wet method in so called seamless thermal insulation system (ETICS).

Very rigid mineral wool slabs ISOFAS, 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	110	120	140	150	160	180	200
Thermal conductivity R_D [m²K/W]										
1,35	1,65	2,20	2,75	3,05	3,30	3,85	4,15	4,40	5,00	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]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	600	6	3,60	0,180	16	57,60	2,880
60	1000	600	5	3,00	0,180	16	48,00	2,880
80	1000	600	3	1,80	0,144	20	36,00	2,880
100	1000	600	3	1,80	0,180	16	28,80	2,880
120	1000	600	2	1,20	0,144	20	24,00	2,880
140	1000	600	2	1,20	0,168	16	19,20	2,688
150	1000	600	2	1,20	0,180	16	19,20	2,880
160	1000	600	2	1,20	0,192	12+16	33,60	5,376
180	1000	600	2	1,20	0,216	12	14,40	2,592
200	1000	600	2	1,20	0,240	12	14,40	2,880

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TECHNICAL DATA

Types of plates				ISOFAS	
Product code (indicates declared levels or classes of product properties)				MW-EN 13162-T4-DS(TH)-WS-MU1-AW1-CS(10)20-TR10-WL(P) (d=50-99mm) MW-EN 13162-T4-DS(TH)-WS-MU1-AW1-CS(10)30-TR10-WL(P) (d=100-200mm)	
Declared properties of the product acc. to PN-EN 13162		Method of testing	Unit of measure-ment	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)	<100 mm	PN-EN 823	[mm/%]	T4	- 3mm / + 5%
	≥100 mm		[%/mm]		- 3% / + 5mm
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)
The level of short-term water absorption		PN-EN 1609	[kg/m²]	WS	≤ 1,0
The value of the diffusion resistance of vapour		PN-EN 12086	[-]	MU1	≤ 1
Value of weighted coefficient of sound absorption		EN ISO 11654	[-]	AW1	1
Compressive stress at 10% deformation <100 mm		PN-EN 826	[kPa]	CS(10)20	≥ 20
Compressive stress at 10% deformation ≥100 mm				CS(10)30	≥ 30
The level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3,0
Tensile strength perpendicular to faces		PN-EN 1607	[kPa]	TR10	≥ 10
Thermal conductivity coefficient λ_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/m³]	[-]	100

OFFICIAL DOCUMENTATION

Certificate of Conformity EC No. 1434-CPR-0166
Declaration of Performance No. 03a/2013 in accordance to standard PN-EN 13162 (ISOFAS d=50-99 mm)
Declaration of Performance No. 03b/2013 in accordance to standard PN-EN 13162 (ISOFAS d=100-200 mm)
Certificate of Hygiene No. HK/B/0146/01/2011

JAKOŚĆ ROKU 2012 EKO JAKOŚĆ

TÜV SÜD ISO 9001

POLSKIE CENTRUM BADAŃ I CERTYFIKACJI FACTORY PRODUCTION CONTROL EN 13162

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