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Technical sheet. Dated 04.2016 #3.20

TECHNOLITE OPTIMA

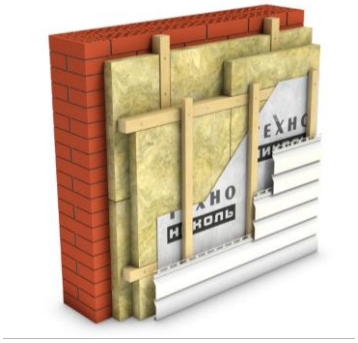
EN 13162:2012+A1

MW-EN 13162-T4-DS(70,-) DS(23,90) -WS-WL(P)-MU1 RtF:A1

1023-CPR-0705P
1023-CPR-0728 P

Application areas:

TECHNOLITE OPTIMA slabs are intended for use as heat - and sound insulation of engineering structures of residential buildings and industrial facilities where thermal insulation is not under external load (mansards, garret floors, floors with heater packing between logs, frame partitions), and also as the first (internal) heat-insulation layer in the facade systems with an air gap for two-layer thermal insulation.



Description of material:

TECHNOLITE OPTIMA - nonflammable, water-repellent thermal and sound insulation slabs of mineral wool based on basalt rocks.

Storage:

The slabs must be stored in covered warehouses. Storage under an awning protecting the slabs from atmospheric precipitation is permitted. The slabs shall be stored into containers or stacked on the pallets or on the supports during whole period of storage. The height of the stack shall not exceed 3 meters.

Product technical data:

Essential characteristics	Performance	Harmonized technical specification	
Declared thermal conductivity at 10 °C, W/m*K	0,036	EN 12667	EN 13162:2012 + A1:2015
Limit deviations Length, Width, mm	±2/±1,5 %	EN 823	
Limit deviations of thickness, mm	T4	EN 823	
Thickness, (with increments of 10 mm), mm	40-200	EN 823	
Deviation from squareness, mm/m	< 5	EN 824	
Deviation from flatness, mm	< 6	EN 825	
Dimensional stability, %: -at specified temperature -under specified temperature (23°C) and humidity conditions (90%R.H.)	DS(70,-) <1 DS(23,90) <1	EN 1604	
Reaction to fire, euroclass	A1	EN 13501-1	
Water Absorption during Short/ Longterm Immersion kg/m2	WS <1 WL(P)<3	EN 1609 EN 12087	
Water vapour transmission, MU	MU1	12086	
Dangerous Substances:	Does not include dangerous substances		

Declared Thermal resistance, EN 12667																
Thickness, mm	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
R. m^2*K/W	1,40	1,65	1,95	2,20	2,50	2,75	3,05	3,30	3,60	3,85	4,15	4,45	4,70	5,00	5,25	5,55