

Rockstate MD Plus

Un-faced rigid slab of volcanic stone wool.

Application

Insulation in exterior thermal insulation systems (SATE) in façades. For renovation and new construction works.



Technical Properties

Property	Description				Standard
Nominal density (kg/m ³)	120				EN 1602
Thermal conductivity W/(m*K)	0,036				EN 12667
Dimensions (mm)	1200 x 600				
Fire reaction /Euroclass	A1				EN 13501.1
Thermal resistance (m ² K/W)	Thickness (mm)	Thermal resistance (m ² K/W)	Thickness (mm)	Thermal resistance (m ² K/W)	
	50	1,35	120	3,30	
	60	1,65	130	3,60	
	80	2,20	140	3,85	
	100	2,75	160	4,40	
Thickness tolerance (mm)	T5				EN 823
Dimensional stability at a specific temperature and humidity	DS (70,90)				EN 1604
Compressive strength (KPa)	CS (10\Y)30	(30 KPa)		EN 826	
Resistance to perpendicular traction on the sides	TR 10	10 KPa		EN 1607	
Water vapour transmission	MU1	(μ = 1)		EN 12086	
Short term water absorption (kg/m ²)	WS	(<1,0 kg/m ²)		EN 1609	
Long term water absorption by partial immersion (kg/m ²)	WL (P)	(< 3,0 kg/m ²)		EN 12087	

Advantages

- Optimal thermal performance
- Optimal acoustic performance; due to multidirectional structure
- Incombustibility; helps to prevent the spread of fire at any time (during installation, occupancy, maintenance).
- Dimensional stability; it does not undergo dimensional and performance variations under different thermal and humidity conditions (an important characteristic for the system durability and for compatibility with finishes in dark tones).
- Chemically inert; it neither causes nor promotes corrosion of materials. Does not favour bacterial growth.



Apr-22

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