

Rocksate Duo Plus

Un-faced rigid slab of volcanic stone wool of double density.

The exterior layer of high density (marked with two lines) guarantees optimum adhesion of the plaster and good mechanic performance. The internal layer of lower density optimizes thermal performance of the panel and allows maximum adaptability to the support.



Application

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

Technical Properties

Property	Description				Standard
Nominal density (kg/m ³)	120-70				EN 1602
Thermal conductivity W/(m*K)	0,035				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	1,40	140	4,00	
	60	1,70	160	4,55	
	80	2,25	180	5,10	
	100	2,85	200	5,70	
	120	3,40			
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)15	(15 KPa)		EN 826	
Point load (N)	PL (5) 200	(200 N)		EN 12430	
Resistance to perpendicular traction on the sides	TR 7,5	7,5 KPa		EN 1607	
Air flow resistivity	AFr15	15		EN 29053	
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	

Apr-22

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Advantages

- Excellent thermal performance, perfect for high energy performance buildings.
- Fast and easy to install; lightweight and easy to handle slab makes the installation easy.
- Better adaptability to the support; due to the greater flexibility of the inner layer.
- Optimal acoustic performance; due to the 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.



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