

Rocksupport Energy

Rigid slab of high-density stone wool.



Application

High thermal and acoustic insulation performance in high-maintenance light metal roofs and with photovoltaic installations.

Technical Properties

Property	Description						Standard
Nominal density (kg/m ³)	130						EN 1602
Thermal conductivity W/(m*K)	0,039 (thickness 40-75 mm) 0,038 (thickness 80-200 mm)						EN 12667
Dimensions (mm)	1200 x 1000 / 2400 x 1200						
Fire reaction /Euroclass	A1						EN 13501.1
Thermal resistance (m ² K/W)	Thickness (mm)	TR	Thickness (mm)	TR	Thickness (mm)	TR	
	40	1,00	90	2,35	120	3,15	
	50	1,25	100	2,60	125	3,25	
	60	1,50	105	2,75	130	3,40	
	70	1,75	110	2,85	140	3,65	
	80	2,10	115	3,00			
Thickness tolerance (mm)	T5						EN 823
Dimensional stability at a specific temperature and humidity	DS (70,90)						EN 1604
Compressive resistance (KPa)	CS (10Y)70		(70 KPa)				EN 826
Point load (N)	PL (5) 500		(500 N)				EN 12430
Water vapour resistance	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

- Very high resistance to footsteps and punching.
- Security in case of fire.
- Great improvement in the acoustic insulation of the solution.
- Great acoustic absorption capacity.
- Excellent support for finishing with synthetic sheets.
- Thermal and dimensional stability.
- Ease and speed of installation. Only 1 fixing per panel.



Mar-23

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