



Hardrock 391 / Bigpanel

Rigid slab of volcanic stone wool of double density.

Top facing of extreme hardness with high resistance to footsteps and punching

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)	230/150 th. > 40 mm / 165 th ≤ 40 mm				EN 1602
Thermal conductivity W/(m*K)	0,039 th. > 40 mm / 0,041 th ≤ 40 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)	Thermal resistance (m ² K/W)	Thickness (mm)	Thermal resistance (m ² K/W)	
	30	0,70	90	2,30	
	40	0,95	100	2,55	
	50	1,25	110	2,80	
	60	1,50	120	3,05	
	70	1,75	130	3,30	
	80	2,05	140	3,55	
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) 700		(700 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 treading and punching.
- Double density panel for high maintenance roofs.
- Security in case of fire.
- Great improvement in the acoustic insulation of the solution.
- Great acoustic absorption capacity.
- Excellent support for a synthetic sheet finish.
- Thermal and dimensional stability.
- Ease and speed of installation. Only 1 fixing per panel.



Dec-22

ROCKWOOL Peninsular S.A.U.

Ctra. Zaragoza, Km. 53,5 N121.

31380 Caparrosa, Navarra, Spain

T (+34)902 430 430

www.rockwool.es