

# Panel 233

Uncoated semi-rigid board of volcanic stone wool.

## Application

Used for acoustic insulation in general building applications.



## Technical Properties

Property	Description				Standard
Nominal density (kg/m <sup>3</sup> )	100				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 <sup>2</sup> K/W)	Thickness (mm)	Thermal resistance (m <sup>2</sup> K/W)	Thickness (mm)	Thermal resistance (m <sup>2</sup> K/W)	
	30	0.85	60	1.70	
	40	1.10	80	2.25	
	50	1.40	100	2.85	
Thickness tolerance (mm)	T3				EN 823
Dimensional stability at a specific temperature and humidity	DS (70,90)				EN 1604
Water vapour transmission	MU1	( μ = 1 )		EN 12086	
Short term water absorption (kg/m <sup>2</sup> )	WS	< 1,0 kg/m <sup>2</sup>		EN 1609	
Long term water absorption by partial immersion (kg/m <sup>2</sup> )	WL(P)	< 3,0 kg/m <sup>2</sup>		EN 12086	

## Advantages

- Fast and easy to install.
- Maximum security in case of fire.
- Well-known improvement of the sound and thermal insulation.
- Neither-hydrophilic nor hygroscopic.
- Chemically inert.
- Environmental Product Declaration
- Free of CFC and HCFC, respectful with the environment.
- Low emissions certificate



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**ROCKWOOL Peninsular S.A.U.**  
 Ctra. Zaragoza, Km. 53,5 N121.  
 31380 Caparrosa, Navarra, Spain  
 T (+34)902 430 430  
[www.rockwool.es](http://www.rockwool.es)