

# Panel 231

Uncoated semi-rigid board of volcanic stone wool.



## Application

Sound insulation to be installed in buildings.

## Technical Properties

Property	Description				Standard
Nominal density (kg/m <sup>3</sup> )	70				EN 1602
Thermal conductivity W/(m*K)	0,034				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)	
	40	1.15	60	1.75	
	50	1.45	80	2.35	
Thickness tolerance (mm)	T3				EN 823
Dimensional stability at a specific temperature and humidity	DS (70,90)				EN 1604
Air flow resistivity	AF15	(> 15 KPa · s/m <sup>2</sup> )		EN 29053	
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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