



Rocksol 501

Un-faced semi-rigid slab of volcanic stone wool.
High thermal performance. High density in low insulation thicknesses.

Application

Insulation for ground floors, floors in contact with unheated rooms and separating floors submitted to impact sound.
Installation below armoured or fibre reinforced screed.

Technical properties

Property	Description				Standard
Nominal density (kg/m ³)	90				EN 1602
Thermal Conductivity W/(m ² K)	0,035				EN 12667
Dimensions (mm)	1200 x 600 x 20/ 30/ 40				
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)	
	20	0,55	40	1,10	
	30	0,85			
Thickness tolerance (mm)	T6				EN 823
Dimensional stability at a specific temperature and humidity	DS (70,90)				EN 1604
Compression strength (kPa)	CS(10/Y)10	10 kPa		EN826	
Compressibility (mm)	CP5	c ≤ 5 mm		EN 13162	
Dynamic stiffness (MN/m ³)	SD15	15 MN/m ³		EN 29052-1	
Air flow resistivity (KPa s/m ²)	AF20	> 20 KPa · s/m ²		EN 29053	
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 absorption by partial immersion (kg/m ²)	WL(P)	< 3,0 kg/m ²		EN 12087	

Advantages

- Detachable sound insulation towards airborne and impact sound.
- Good thermal insulation.
- 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.
- Certificate of emission of construction materials M1



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