



Solida 220

Stone wool hardboard, biosoluble, uncoated.

Description

Hardboard made of water repellent stone wool, bio-soluble, treated with an odourless thermosetting resins, chemically inert, rot-proof, unalterable over time.



Applications

Cavity wall insulation , roof insulation

Size and availability

1200x600 mm, 1000x600 mm,

For availability please check the list on TERMOLAN.IT

Data sheet

Thermo-Hygrometric characteristics	Value	Unit	Symbol EN 13162	EN standard
Declared thermal conductivity (10°C)	View table 1	W/(mK)	λ_D	EN 12667-EN 12939
Declared thermal resistance	View table 1	(m ² K)/W	R_d	
Water vapour resistance factor			μ	EN 12086
Short term water absorption	≤ 1,0	kg/m ²	WS	EN 1609
Long term water absorption by partial immersion (24h)	≤ 3,0	kg/m ²	WL(P)	EN 12087

Dimensional characteristics	Value	Unit	Symbol EN 13162	EN standard
Dimensional stability under specified conditions (70°C/90%U.R.)	$\Delta\epsilon \leq 1$	%	DS(70,90)	EN 1604
Thermal linear dilatation	2×10^{-6}	°C ⁻¹	t_t	



Other characteristics	Value	Unit	Symbol EN 13162	EN standard
Density \pm 10%	100	kg/m ³	ρ	EN 1602
Reaction to fire	A1	Euroclasse		EN 13501-1
Specific heat capacity	1.030	J/(kg•K)	C_p	EN 10456
Dimensional stability in moisture conditions	The performance characteristics of the board are not affected by the environmental thermo-hygrometric characteristics			
Stone wool melting temperature	> 1000	°C		

Table 1

Thickness (mm)	Thermal conductivity	Thermal resistance
20	0.037	0.50
30	0.035	0.85
40	0.035	1.10
50	0.035	1.40
60	0.035	1.70
70	0.035	2.00
80	0.035	2.25
100	0.035	2.85
120	0.035	3.40
140	0.035	4.00
160	0.035	4.55

Product certified according to EN 13162.

For more informations, please see the website:
<https://termolan.lape.it/prodotto/149/Solida-220.html>



The company reserves the right to alter the technical data without notice. It is users' responsibility to check the validity of the information prior to materials use. To check the information, please see the website www.Termolan.it or contact our technical department.

