



PROMATECT® -H

Large Sized Dense Calcium Silicate Insulation Board for Medium Temperature Structural Insulation

Classification Temperature	°C	400
Nominal Density	Kg /m ³	870
Shrinkage at 400°C, 24 hours (length and width)	%	0,25
Specific Heat	Kj / kgK	0.92
Thermal Conductivity at mean temperature of:		
20°C	W /mK	0.17
100°C		0.19
200°C		0.21
Linear change in length (20-600°C)	m / mK	-6.4 x 10 ⁻⁶
Alcalinità	Valore pH	Circa 12
Water moisture diffusion value	μ	20
Humidity content (in dry air)	%	5-10
Elasticity module		
Longitudinal board direction	N /mm ²	4200
Lateral board direction		2900
Bendino strength		
Longitudinal board direction	N /mm ²	7.6
Lateral board direction		4.8
Tensile strength		
Longitudinal board direction	N /mm ²	4.8
Lateral board direction		2.6
Compressive strength	N /mm ²	9.3

Dimensions:	Length (mm)	Width (mm)	Thickness (mm)
	2500 / 3000	1250	6, 8, 10, 12, 15, 20, 25 mm

Tollerances:	Thickness	Length / Width
	± 0.5 mm up to 12mm; ± 1.0 mm 15-20 mm; ± 1.5 mm 25 mm ± 3.0 mm	

Workability:



The above data are given in good faith and refer to internal standard test procedures based on internationally recognized testing methods; they are subjected to normal fluctuation during the production process. No warranty are herewith given regarding specific applications without our prior written approval. Our data sheets cannot be used for technical specifications purposes without our authorization. All right reserved – Promat is a registered trademark.

