



# PROMASIL®

High temperature Insulating Calcium Silicate Boards –  
ASTM C 533 TYPE II

PROMASIL®		1000	1000 P	1100	
Classification temperature	°C	1000	1000	1100	
Density	Kg /m <sup>3</sup>	245	290	285	
Shrinkage at referring temperature, 12 hours	%	1.3 / 1000°C	1.3 / 1000°C	1.5 / 1050°C	
Cold compressive strength	MPa	1.4	2.0	1.9	
Flexural strength	MPa	0.5	0.8	0.8	
Thermal expansion	m / mK	5.4 x 10 <sup>-6</sup>	5.4 x 10 <sup>-6</sup>	5.5 x 10 <sup>-6</sup>	
Specific heat	Kj / kgK	1.03	1.03	1.05	
Thermal conductivity at mean temperature of:					
	200°C	W /mK	0.07	0.08	0.07
	400°C		0.10	0.10	0.10
	600°C		0.14	0.14	0.14
	800°C		0.17	0.17	0.18

**Sizes:**

Length (mm)	Width (mm)	Thickness (mm)
500/1000	333/500/750	25, 30, 40, 50, 60, 65, 70, 75, 80, 100, 130

other sizes and thickness available on demand

**Tolerances:**

Thickness	Length / Width
± 1.3 mm	±1.5 mm

**Treatment:** the material can be produced on demand dust free and/or water repellent

### 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.

