

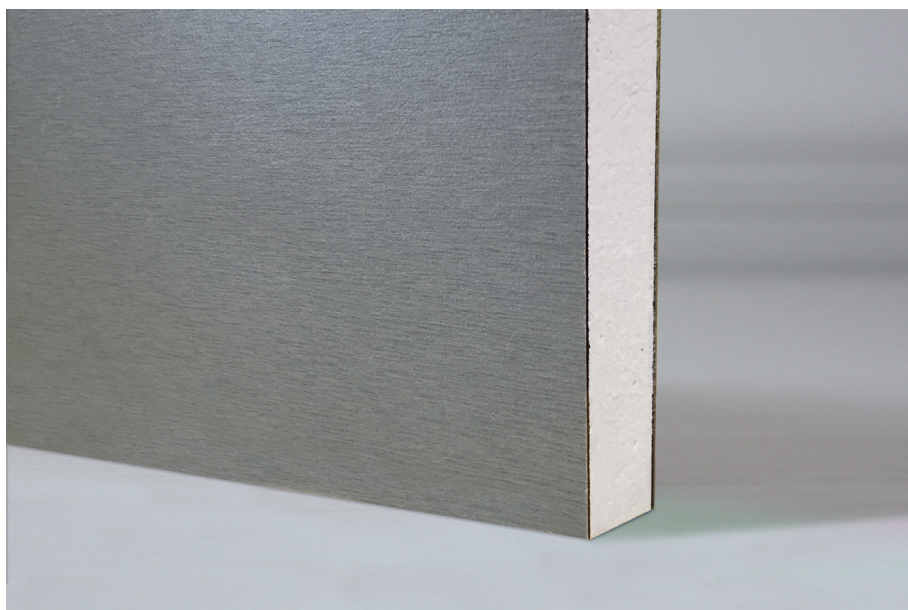
PROMASIL®-MARINE

Lightweight Non-combustible Calcium Silicate Board



www.promat-marine.com





Introduction

PROMASIL®-MARINE is one of the best insulating solutions. PROMASIL®-MARINE boards are compact, self-bearing and lightweight ; they are resistant to continuous temperatures of 1000°C. They also represent an alternative to mineral fibres due to their excellent dimensional stability, mechanical properties, durability and absence of organic binders. PROMASIL® MARINE is certified as non-combustible according to MED and U.S. Coast Guard Directives, with Module A60 and B15 solutions.

Advantages

- High temperature resistance
- Chemical & moisture resistant
- Good workability
- Minimal gas and smoke emission (under fire conditions)

Applications

- A60 & B15 Class partition walls
- Furniture

Quality Assurance

Promat products are manufactured to stringent quality control systems to assure that our customers receive materials made to the highest standards.

Operating to these standards means that all activities, which have a bearing upon quality, are set out in written procedures.

Systematic and thorough checks are made on all materials and their usage. Test equipment is subjected to regular checks and is referred back to national standards.

The information given in this data sheet is based on actual tests and is believed to be typical of the product. No guarantee of results is implied however, since conditions of use are beyond our control.

Physical and technical properties

Designation	Calcium silicate board	
Colour	White	
Nominal density	285kg/m ³ ± 10%	
Classification temperature (EN822&EN823)	1000°C	
Cold compression resistance (EN826)	>2.0N/mm ²	
Elasticity coefficient (Young's modulus)	385N/mm ²	
Specific heat capacity	1.03kJ/kgK	
Thermal conductivity at average temperature of:		
26°C	0.0843W/mK	
100°C	0.0855W/mK	
200°C	0.0881W/mK	
400°C	0.0993W/mK	
600°C	0.117W/mK	
800°C	0.140W/mK	
Reaction to Fire	Certificate n°	Module D Quality assurance n°
DIR 96/98/EC as modified DIR 2010/68/EU	MED154512CS MED Item n° A.1/3.13 USCG category n° 164.109	MED061713MI/001
Fire Resistance	B15 Class Division Certificate n° MED 281911CS/006 MED Item n° A.1/3.11b USCG category n° 164.108	Module D Quality assurance n° MED02614X5/012
DIR 96/98/EC as modified DIR 2009/26/CE	A60 Class Division Certificate n° MED 307713CS MED Item n° A.1/3.11a USCG category n° 164.107	Module D Quality assurance n° MED02614X5/011

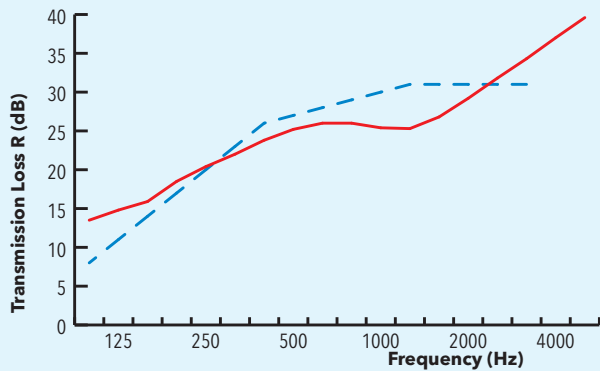
Acoustic performance - ISO 10140-2 and ISO 717/1 See diagram in "Acoustic performance" chapter

Standard dimensions

Thickness (mm) ± 2mm	Length (mm) ± 3mm	Width (mm) ± 2mm
22 -50	2500	500, 750, 1000

Acoustic performance

PROMASIL®-MARINE, 22mm thickness with 0.8mm HPL laminate on both faces
Area sample (m²): 1.16 - Weight (kg/m²): 6.38



Frequency (Hz)	R (dB)	Frequency (Hz)	R (dB)
100	13.5	800	26.0
125	14.8	1000	25.4
160	15.9	1250	25.3
200	18.5	1600	26.8
250	20.4	2000	29.2
315	22.0	2500	31.8
400	23.8	3150	34.3
500	25.2	4000	37.0
630	26.0	5000	39.6

R_w = 27dB

Evaluation according to ISO curve 717-1