

Promat

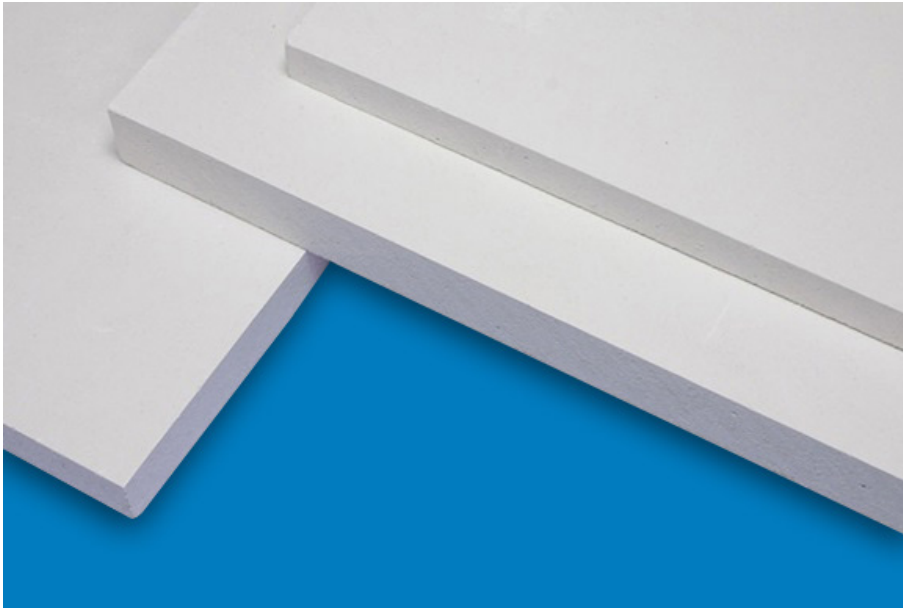
PROMARINE®-PX1 Non-Combustible Mineral Bound Calcium Silicate Board



www.promat-marine.com



etex industry



Introduction

PROMARINE®-PX1 is a new generation of non-combustible mineral bound board, using the innovative PROMAXON® technology.

Providing superior strength, insulation and stability, PROMARINE®-PX1 is available in 12, 15, 19, 22 and 25 mm thicknesses. When bonded with high-pressure laminates, PROMARINE®-PX1 can be installed as linings, partitions and ceilings on seagoing vessels and offshore platforms.

Advantages

- Superior fire performance resulting from the double cooling effect of PROMAXON® technology
- Non-combustible
- Available in various thicknesses, suitable for bonding with high pressure laminates
- Improved workability - easy to work, cut and fix

Application

- B15 Class partition walls

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	Mineral bound calcium silicate board	
Colour	White	
Density (Kg/m³) nominal, 20°C, 65% HR	2440x1220 750 ±10%	3050x1220 800 ±10%
Specific heat capacity	1.03kJ/kgK	
Thermal conductivity at average temperature of 20°C	0.189W/mK	
Alkalinity (approximately)	pH 9	
Nominal moisture content	1-2%	
Flexural strength rupture longitudinal (dry)	3.0N/mm ²	
Compressive strength (perpendicular to board face - dry)	4.7N/mm ²	
Reaction to Fire Marine Equipment directive 96/98, amended by directive 98/95 and directive 2002/75	Certificate n° WCL MED164.108/1121/0226TE*	
Fire Resistance Marine Equipment directive 96/98, amended by directive 98/95 and directive 2002/75	Certificate n° WCL MED164.108/1121/220TE	
Quality assurance Module D	Certificate n° WCL MED164.108/1121/0227QA	
Acoustic performance - ISO 10140/2 and ISO 717/1	See diagrams in "Acoustic performance" chapter	
Storage	Store on flat surface, in a dry area.	

Note: WCL MED164.108/1121/0226TE is valid for C-spline, solid spline joints and omega joints.

Standard dimensions

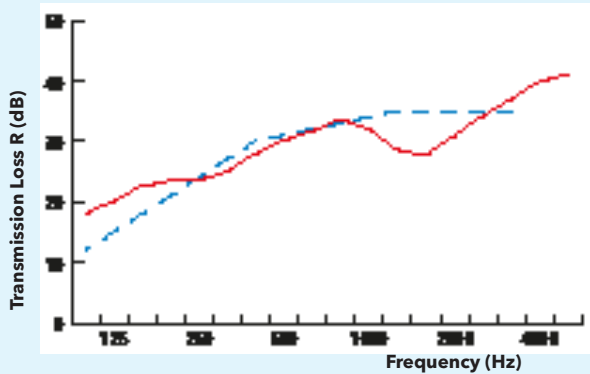
Thickness (mm) ± 0.5mm	Length (mm) +0/-3mm	Width (mm) +0/-3mm
12, 15, 19, 22, 25	2440, 3050	1220



Acoustic performance

PROMARINE®-PX1, 19mm thickness

Area sample (m²): 1.88 - Weight (kg/m²): 16.6



Frequency (Hz)	R (dB)	Frequency (Hz)	R (dB)
100	18.0	800	33.6
125	20.1	1000	32.1
160	22.6	1250	28.6
200	23.5	1600	27.7
250	23.5	2000	30.8
315	25.0	2500	34.1
400	27.9	3150	36.8
500	30.2	4000	39.8
630	31.6	5000	41.0

R_w = 31dB

Evaluation according to ISO curve 717-1

Processing & machining

When machining the product with power tools, do not breathe dust and respect the regulatory occupational exposure limits for total inhalable and respirable dust. Wear safety goggles. Avoid contact with skin and eyes. Use dust extraction. In case of insufficient ventilation, wear suitable respiratory equipment to avoid health effects.

Waste disposal

Refer to local legislation. If not available: The board is not classified as a dangerous substance and no special provisions are required regarding the carriage and disposal of the product to landfill. They can be placed in an on-site skip with other general constructing waste.

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