PROMARINE®-PX1
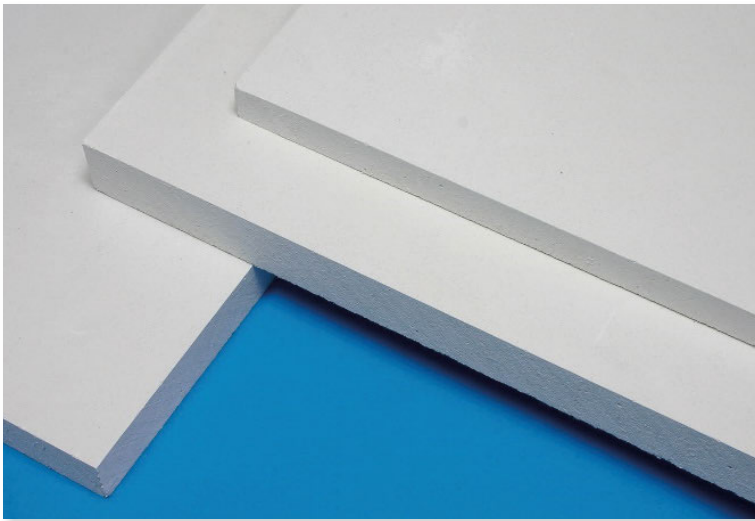
Product description

PROMARINE®-PX1 is a non-combustible mineral-bonded calcium silicate board with excellent fire performance.

Promat PROMARINE®-PX1 can be installed as linings, partitions and flooring on seagoing vessels and offshore platforms and it is available up to 3050 mm length.

Properties

- Developed using the innovative PROMAXON® technology.
- Provides superior strength, insulation and stability moisture resistant.

Technical data

Colour		White	
Nominal density (tolerance) (EN 12467)	Length x Width kg/m³	2440x1220 mm: 750 (±10%)	3050x1220 mm: 800 (±10%)
Reaction to fire		Non-combustible MED approved (ask Promat for certificate)	
Class divisions **Panel thickness** **Panels joint** [1]	mm	**B15 Bulkhead** (valid up to 3050mm height) 19 Omega joint or "C" spline	
Thermal conductivity 20 °C (hot wire method)	W/mK	0.189	
Specific heat capacity	kJ/kgK	1.03	
Alkalinity	pH	9	
Coefficient of expansion α	m/mK	$2.4 \cdot 10^{-6}$	
Moisture movement	%	< 0.1 (ambient to saturated)	
Nominal moisture content	%	1÷2	
Flexural strength rupture Longitudinal/horizontal	N/mm²	3.0	
Compressive strength Perpendicular to board face, dry board	N/mm²	4.7	
Quality assurance	N/mm²	Module D. MED approved (ask Promat for certificate)	

[1] See specific drawings on page 2.

Acoustic properties

Thickness	mm	19
R$_w$ index (ISO 717/1)	dB	31 [2]

[2] See ISO 10140/2 curve on page 2.

Dimensions (standard)

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

PROMARINE®-PX1

Areas of application

• Ideal for installation and application in the marine market for non-combustible, B 15 & C Class divisions

Workability

PROMARINE®-PX1 can be cut using normal woodworking tools or by using circular blades. During cutting operations use personal protective equipment (see below).

Handling

PROMARINE®-PX1 should be worked and installed using appropriate personal protective equipment (PPE). Use protective gloves, glasses, suitable respiratory equipment to avoid health effects, and suit. Use dust extraction when worked inside. After use, thoroughly wash hands and any other parts that could have been in contact with the material. For further information refer to Safety Information Sheet.
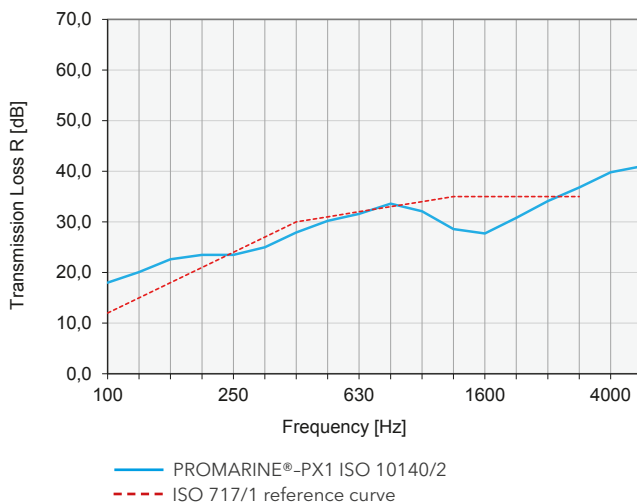
Waste disposal

Refer to local legislation. If not available: The board is not classified as a dangerous substance and so no special provisions are required regarding the carriage and disposal of the product to landfill.

Storage
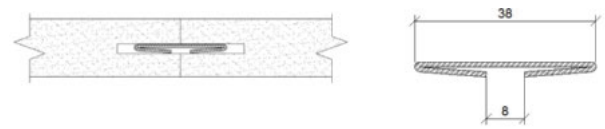
Store on a flat surface, in a dry area.

Acoustic properties
19mm, R_w=31 [dB]

PROMARINE®-PX1 ISO 10140/2
ISO 717/1 reference curve

Class divisions – joint drawings
"C" spline

Omega joint

etex industry