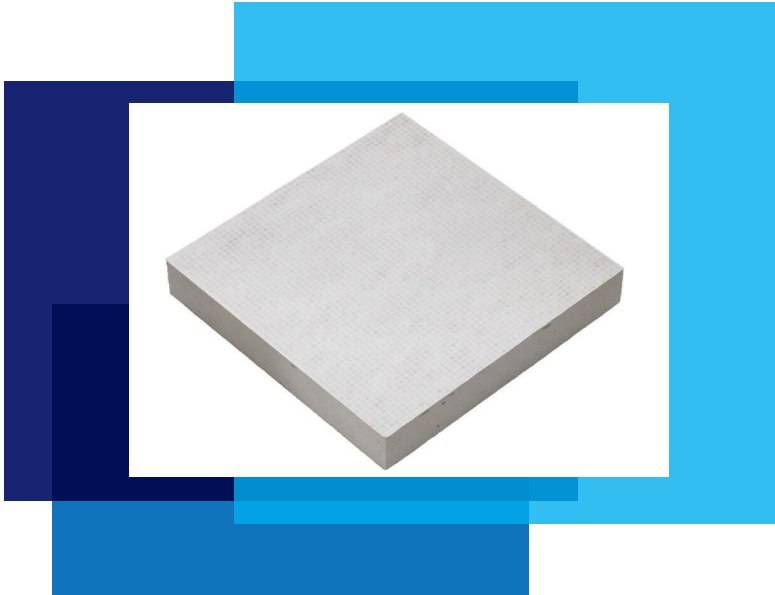


# PROMATECT®-XS

## Second Generation Fire Protective Board



### Description

PROMATECT®-XS is an innovative high performing non-combustible fire protective board, based on PromaX® technology, specifically designed for the fire protection of structural steelwork. The second generation of the product combines efficient fire protection with unique ease of installation, high quality surface finishing and enhanced mould and moisture resistance.

### Application

Fire protection of structural steel beams and columns, open and hollow sections, up to R180.

### Benefits

- Thin board thicknesses for fire protection of any steel structure.
- Non-combustible.
- Frameless installation for time and space optimization.
- Easy installation with staple fixings, no need for glue or filler.
- Easy cutting, even with a knife (score & snap).
- Can be installed before the building is weathertight (up to 6 months semi-exposed).
- Temporary resistant to high humidity, weather and mould.

### Composition

PROMATECT®-XS is made of aerated calcium sulphate di-hydrate, reinforcing glass fibres, functional additives and water. The core is reinforced by glass-mat facers on the front and back of the boards. The board contains a water repellent additive and a biocide to inhibit mould growth.

### Appearance

PROMATECT®-XS exhibits smooth surface finishes on front and back. The core and the front and back surfaces of the board are off-white coloured. Production information of the board is printed on its back side. The board exhibits square edges on its longitudinal and transversal sides.

### Certification

The board is CE marked according to **ETA 18/0645** based on EAD 350142-00-1106 (Fire Protective Board, Slab and Mat Products And Kits) for the following use categories: Z2 - internal use, Y - external use semi-exposed.

### Storage and handling

- Store the boards on a flat surface, under cover, in a dry and ventilated space. Also after cutting to size it is recommended to store the panels on a flat surface
- The boards shall always be manipulated from the stack by two persons and then be transported vertically
- Don't expose the boards to temperatures below 0°C when wet.

### Installation and finishing

PROMATECT®-XS can be easily cut with a knife. For sawing of large quantities an electric saw with dust extraction is recommended. Also when cutting with a knife, a tight corner connection can be achieved, by lightly rasping the edge after cutting.

PROMATECT®-XS fire protective boards can be easily installed with staples and do not require the use of glue or a joint filler.

For aesthetic purposes, joints can be finished with Promat Filler PRO and Promat Ready Mix PRO.

Minor damages and small holes in the board can be repaired with Promat Filler PRO

### Safety instructions

- Please refer to the PROMATECT®-XS safety information sheet.

### Data (see overleaf)

### Dimensions and tolerances

Thickness (mm)	Length (mm)	Width (mm)	Boards/pallet	Nominal weight [kg/m <sup>2</sup> ]
12.5	2500	1200	40	11.4
15	2500	1200	32	13.7
20	2500	1200	24	18.3
25	2000	1200	24	22.9

Board tolerances: Thickness:  $\pm 0.5$  mm | Length and width:  $-5 / +0$  mm | Squareness: 2.5 mm/m

### Technical data and properties

Nominal density (50% RH, 23°C)	915 ( $\pm 8\%$ ) Kg/m <sup>3</sup>
Flexural strength* (EN 12467)	
Longitudinal	10 MPa (12.5mm) 5 MPa (25mm)
Transversal	7 MPa (12.5mm) 4 MPa (25mm)
Compressive strength* (EN 789)	
Longitudinal	7 MPa (12.5mm) 7 MPa (25mm)
Transversal	7 MPa (12.5mm) 6 MPa (25mm)
Modulus of elasticity* (EN 12467)	
Longitudinal	3000 MPa
Transversal	2600 MPa
Durability (EAD 350142-00-1106)	25 years of working life in internal (Z <sub>2</sub> ) and semi-exposed (Y) use
Fire reaction classification (EN 13501-1)	A1
Thermal conductivity $\lambda$ (20° C)	0.275 W/mK

\* These values are guidance values, and do not reflect a statistical evaluation nor a minimum guaranteed value

The product must be applied in accordance with regulations for construction material in general and passive fire protection in particular, with the applicable national test certificates and approvals and in accordance with applicable national building regulations. Products may only be applied by trained professionals with adequate knowledge and only after thorough review of the installation guidelines, safety data sheets, national test certificates and approvals. For additional information on how and where to use this product please refer to the Promat handbook or contact your local Promat office. All the relevant documents can be obtained free of charge from the local Promat office. For Non-European Union countries separate guidelines are relevant. If required please contact your local Promat office.