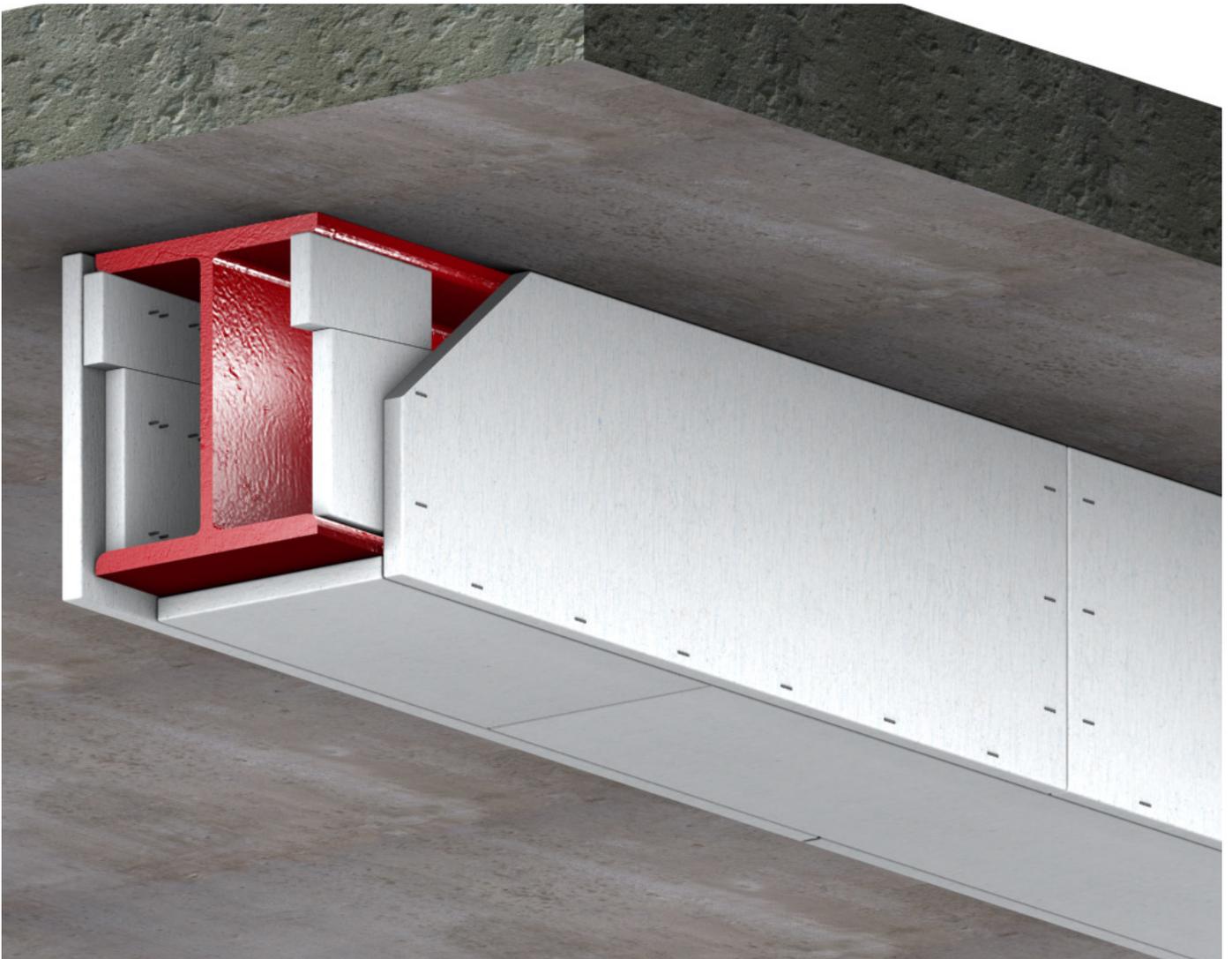
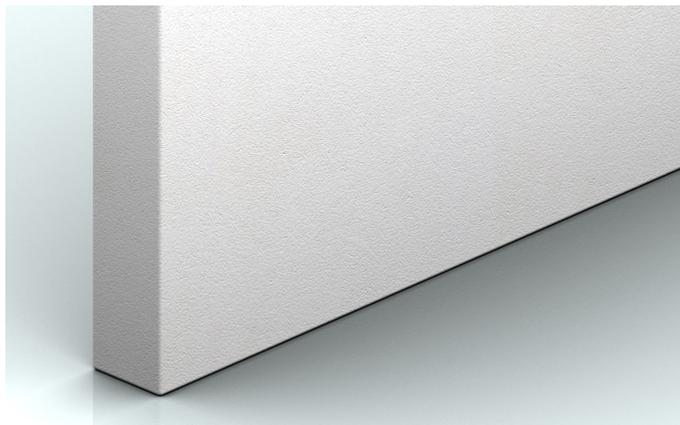


PROMATECT®-250 Product Data Sheet Fire protective construction board



www.promat-international.com





General description

PROMATECT®-250 comprises autoclaved calcium silicate spheres bound in a mineral matrix. This PROMAXON® technology – a synthetic hydrated calcium silicate in spherical form – provides excellent performance in most fire resistant applications.

PROMATECT®-250 is off-white in colour. The front face is smooth and is suitable for any forms of architectural/finishing treatment; the reverse face is sanded.

PROMATECT®-250 is resistant to moist conditions and will not physically deteriorate in humid environment. Whilst its performance characteristics are not degraded by moisture or aging, PROMATECT®-250 is not designed for application in areas subject to continual damp or high temperatures. The product is recommended for interior applications only.

Health and safety

When machining the PROMATECT®-250 product, airborne dust may be released, which may be hazardous to health. Do not inhale the dust. Avoid contact with skin and eyes. Use dust extraction equipment. Respect regulatory occupational exposure limits for total inhalable and respirable dust. A health and safety data sheet is available from Promat and, as with any other material, should be read before working with the product.

PROMATECT®-250 product is not classified as a dangerous substance so no special provisions are required regarding the transportation and the disposal of the product to landfill. The product can be placed in on-site rubbish skips with other general building waste which should then be disposed by a registered contractor in the appropriate and approved manner.

Loading/unloading, storage and handling

Refer to Handling Guidelines for Promat Boards.

Properties and performance

Generic description	PROMAXON® mineral board
Surface condition	Front face: smooth Back face: sanded
Building regulations	Class 0
Alkalinity	pH 9
Coefficient of expansion	-14 x 10 ⁻⁶ m/mk
Thickness tolerance	±0.5mm (standard thickness boards)
Dimension tolerance	±0-3mm (standard dimension boards)
Density	Nominal 750kg/m ³ in accordance with BS EN 323
Flexural strength, F_{rupture}	Longitudinal 3N/mm ² in accordance with BS EN 310
Tensile strength, T_{rupture}	Longitudinal 0.97N/mm ² Transverse 1.18N/mm ² in accordance with BS 5669: Part 1
Compressive strength	5.39N/mm ² in accordance with BS 5669: Part 1
Combustibility	Non-combustible in accordance with BS 476: Part 4; AS 1530: Part 1 and DIN 4102: Part 1
Surface burning	Class 1 (cone calorimeter test group 1) in accordance with BS 476: Part 7
Thermal conductivity	0.183W/m ² K in accordance with ASTM C518
Moisture content	2% in accordance with BS EN 322

Thickness (mm)	Standard dimensions (mm x mm)	Number of boards per pallet	Surface per pallet (m ² /pallet)	Weight per m ² of sheet (approximate kg/m ²)	Weight per pallet (approximate kg)
15	2500 x 1200	30	90	10.5	1000
18	2500 x 1200	25	75	12.6	1030
20	2500 x 1200	25	75	14	1100
25	2500 x 1200	20	60	17.5	1100
30	2500 x 1200	15	45	21	995



Head Office

Promat International N.V.

Bormstraat 24

2830 Tisselt

Belgium

T +32 15 718 100

F +32 15 718 109

E info@promat-international.com

www.promat-international.com

www.promat-tunnel.com

www.promat-marine.com

www.promat-oilandgas.com