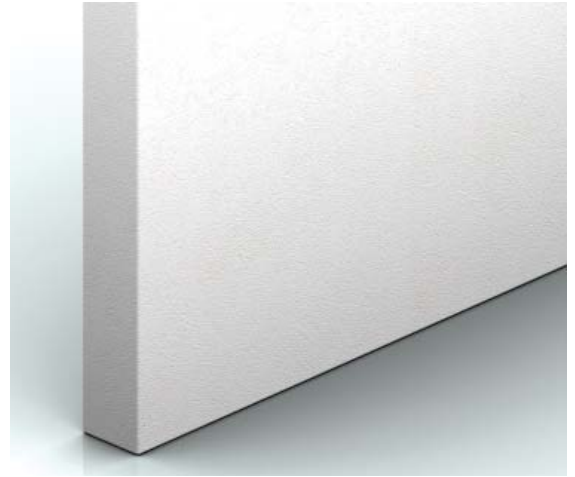


PROMATECT® 250 comprises autoclaved calcium silicate spheres bound in a mineral matrix. This PROMAXON® technology – a synthetic hydrated calcium silicate in spherical form – provides excellent performance in most fire resistant applications.

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.



Material properties

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)

Physical performance

Property	Test method	Test results
Density	BS EN 323	Nominal 750kg/m ³
Flexural strength, F_{rupture}	BS EN 310	Longitudinal 3N/mm ²
Tensile strength, T_{rupture}	BS 5669: Part 1	Longitudinal 0.97N/mm ² Transverse 1.18N/mm ²
Compressive strength	BS 5669: Part 1	5.39N/mm ²
Combustibility	BS 476: Part 4 AS 1530: Part 1 DIN 4102: Part 1	Non combustible
Surface burning	BS 476: Part 7 AS/NZ 53837	Class 1 (cone calorimeter test group 1)
Thermal conductivity	ASTM C518	0.183W/m ² K
Moisture content	BS EN 322	2%

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.

Standard thickness	Standard dimension	Number of boards per pallet	Surface per pallet	Weight of boards per m ²	Weight per pallet
15mm	2500mm x 1200mm	48	144m ²	Approx. 11.25kg	Approx. 1620kg
20mm	2500mm x 1200mm	35	105m ²	Approx. 15.0kg	Approx. 1575kg
25mm	2500mm x 1200mm	28	84m ²	Approx. 18.75kg	Approx. 1575kg
30mm	2500mm x 1200mm	24	72m ²	Approx. 22.5kg	Approx. 1620kg

All properties herein are mean values given for information and guidance only. If certain properties are critical for a particular application, it is advisable to consult Promat. PROMATECT® 250 is manufactured under a quality management system certified in accordance with ISO 9001: 2008. The product has passed the site audit in accordance with the environmental standards of ISO 14001: 2004 and occupational health and safety requirements of OHSAS 18001: 2007.