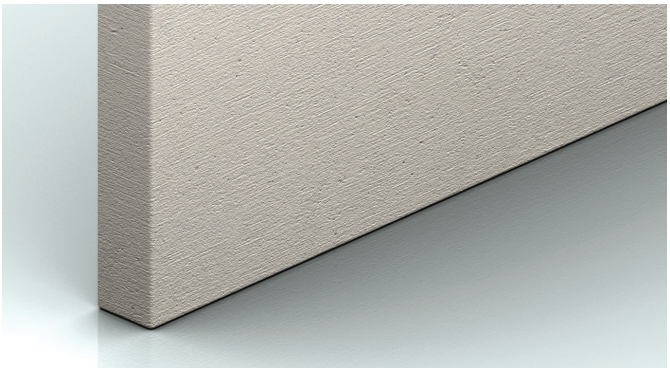
Promat

Product data sheet

PROMINA®-HD

Fibre silicate board



Material properties	
General description	Fibre Silicate board
Surface condition & appearance	Off-white colour Front face: smooth Back face: dimpled
Nominal dry density (average)	Approx. 1300kg/m³
Moisture Content	Approx. 6.0% The moisture content varies and will reach an equilibrium over time with the atmospheric relative humidity of the environment
Alkalinity	pH 12
Thickness tolerance	Compliant with thickness tolerance of CE requirements (9mm thick standard sheets, +/-0.5mm)
Dimension tolerance	±5mm (standard board dimensions)

Product description

PROMINA®-HD is a non-combustible fibre silicate board manufactured from a homogeneous mixture of Portland cement with selected fibres and fillers. It does not contain formaldehyde or any asbestos. PROMINA®-HD is off-white in colour and has a smooth finish on one face with a dimple pattern on the reserve face. The architectural appeal of the board surface is that it is ready to receive most forms of architectural decoration.PROMINA®-HD is resistant to the effects of moisture and will not physically deteriorate when used in damp or humid conditions. PROMINA®-HD is suitable for both internal and external applications. For external applications please contact Promat Technical Department for fixing details on different types of exposure conditions.

Manufacturing Certification

PROMINA®-HD is manufactured under a quality management system certified in accordance with ISO 9001:2015. The manufacturing site is also certified to meet the environmental standards of ISO 14001:2015 and the occupational health & safety requirements of ISO 45001:2018.

Fire Resistant Applications

- → External wall rain screen
- → Backpan infill panel
- → Internal drywalls
- → Eaves, fascia and soffit linings
- → Backing panel for wet and tiled areas
- → Acoustic wall lining
- → Smoke screens

Static Values			
Modulus of Elasticity E	**Flexural Strength** F	**Tensile strength** T	**Compressive strength** ⊥
Longitudinal: 4.41kN/mm² Transverse: 3.67kN/mm²	Longitudinal: 13.0N/mm² Transverse: 11.0N/mm²	Longitudinal: 7.7N/mm² Transverse: 5.0N/mm²	21.14N/mm²

Reaction to Fire & Thermal Properties		
Combustibility	**Surface burning**	**Thermal conductivity**
A1 Classification: EN 13501-1 Non-combustible: BS 476: Part 4	Class 0: BS 476: Part 6 & 7	0.187W/m°K

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Standard thickness	Standard dimension	Number of boards per pallet	Surface area per pallet	Weight of standard sheet	Weight per pallet
6mm	2440mm x 1220mm	90	268m²	Approx 28kg	Approx. 2,620kg
9mm	2440mm x 1220mm	61	181.5m²	Approx 42kg	Approx. 2,660kg
12mm	2440mm x 1220mm	46	136.9m²	Approx 56kg	Approx. 2,670kg
15mm	2440mm x 1220mm	36	107.2m²	Approx 71kg	Approx. 2,620kg
20mm	2440mm x 1220mm	27	80.4m²	Approx 95kg	Approx. 2,620kg

All physical and mechanical values are averages based on standard production and tested according to internal procedures. The typical values are given for guidance. The figures can change dependent on the test methods used. If a particular value is of prime importance for a specification, please consult Promat Technical Department.

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