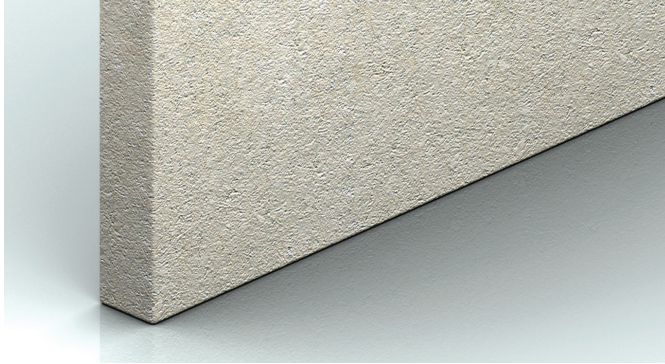


PROMINA® 60

Calcium silicate fire resistant board



Product description

PROMINA® 60 is a non combustible matrix engineered mineral board reinforced with selected fibres and fillers. It does not contain formaldehyde or any asbestos. The product is dimensionally stable and resistant to the effects of moisture. Its performance characteristics are not degraded by moisture. PROMINA®60 is suitable for internal use in high humidity conditions and external semi-exposed use. For fully exposed conditions, consult Promat Technical Department.

Manufacturing Certification

PROMINA® 60 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

- Internal drywalls
- Internal lining to external walls
- Suspended and self-supporting hanger free ceilings
- Cladding to steel sheet metal ducts
- Enclosures to Pipes & services
- Smoke screens

Material properties	
General description	Calcium Silicate board fire resistant board
Surface condition & appearance	Light beige colour Front face: smooth Back face: sanded
Nominal dry density (average)	Approx. 1000kg/m ³
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	Approx. pH 12
Thickness tolerance	Compliant with thickness tolerance of CE requirements (9mm thick standard sheets, +/-0.5mm)
Dimension tolerance	±5mm (standard board dimensions)

Static Values			
Modulus of Elasticity E	Flexural Strength F	Tensile strength T	Compressive strength \perp
Longitudinal: 4.1kN/mm ² Transverse: 4.1kN/mm ²	Longitudinal: 10.0N/mm ² Transverse: 7.0N/mm ²	Longitudinal: 4.1N/mm ² Transverse: 2.1N/mm ²	7.76N/mm ²

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	0.136W/m ² 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
9mm	2440mm x 1220mm	61	181.5m ²	Approx. 30kg	Approx. 1970kg
12mm	2440mm x 1220mm	46	136.9 m ²	Approx. 40kg	Approx. 1981kg
15mm	2440mm x 1220mm	36	107.2 m ²	Approx. 50kg	Approx. 1941kg

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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- The technical data provided in this publication is based on mean values prevalent at time of publication and is thus subject to fluctuation. It should not be regarded as a guarantee to system performance.
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