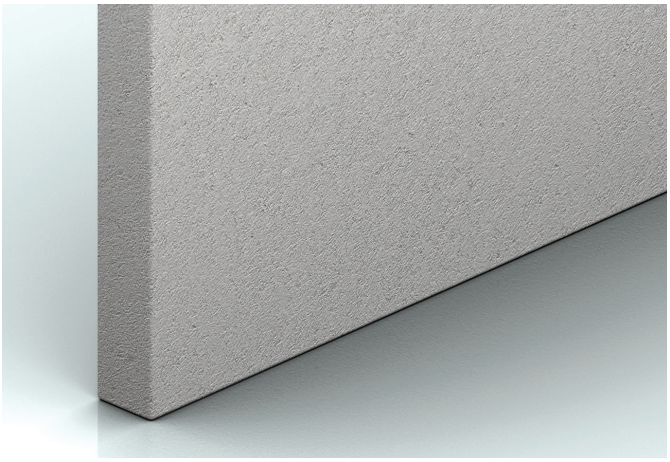
Promat

Product data sheet

SUPABOARD®

Fire protective construction board



Product description

SUPABOARD® is a non combustible matrix engineered mineral board reinforced with selected fibres and fillers. It does not contain formaldehyde.

SUPABOARD® is light grey in colour. The front face is smooth and is suitable for any forms of architectural/finishing treatment; the reverse face is sanded. The board can be left undecorated or easily finished with paints, wallpapers or tiles.

SUPABOARD® is resistant to effects of moisture and will not physically deteriorate in a damp or humid environment. Whilst its performance characteristics are not degraded by moisture or aging, SUPABOARD® is not designed for application in areas subject to continual damp or high temperatures.

Material properties	
General description	Calcium Silicate Board Engineered with Mineral Matrix Structure (Promaxon® technology)
Surface condition & appearance	Light grey colour Front face: smooth Back face: sanded
Nominal dry density (average)	Nominal 1000kg/m³
Moisture Content	Approx 8.0% (may change depending on ambient Relative Humidity)
Alkalinity	pH 12
Thickness tolerance	-0.5mm, +1mm (standard thickness of boards)
Dimension tolerance	±5mm (standard board dimensions)

Benefits

- → Resistant to the effects of moisture
- → Not physically deteriorate when used in damp or humid conditions
- → Performance characteristics are not degraded by age or moisture

Fire Resistant Applications

- → Partitions & External Walls
- → Ductwork
- → M&E Services Enclosures
- → Cavity & Smoke Barriers

Static Values (deflection f ≤ l/250, safety factor n ≥ 3)			
Modulus of Elasticity E	**Flexural Strength** F	**Tensile strength** T	**Compressive strength** ⊥
Longitudinal: 4599/mm² Transverse: 3817N/mm²	Longitudinal: 7.52N/mm² Transverse: 5.15N/mm²	Longitudinal: 5.99N/mm² Transverse: 5.17N/mm²	7.76 N/mm²

Reaction to Fire & Thermal Properties		
Combustibility	**Surface burning**	**Thermal conductivity**
A1 Classification: EN 13501-1 Non-combustible: BS 476: Part 4 AS 1530: Part 1	Class 1: BS 476: Part 7 Class 0: AS 1530: Part 3	0.136W/m°K

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Standard thickness	Standard dimension	Number of boards per pallet	Surface area per pallet	Weight of boards per m²	Weight per pallet
9mm	2440mm x 1220mm	61	181m²	Approx. 9kg	Approx. 1,760kg
12mm	2440mm x 1220mm	46	137m²	Approx. 12kg	Approx. 1,775kg
15mm	2440mm x 1220mm	36	107.m²	Approx. 15kg	Approx. 1,733kg

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.

Manufacturing Certification

SUPABOARD® 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.

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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.
- All data contained herein conforms to and frequently surpasses generally accepted fire protection standards recognised by most professional fire science practitioners and regulatory authorities worldwide. The same general principle is equally applicable to all Promat products and systems. Promat has access to a considerable body of test authentication data and this can be provided on a complimentary basis upon request. It should be noted however that this publication replaces all previous editions in its entirety.
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