

CBOARD®



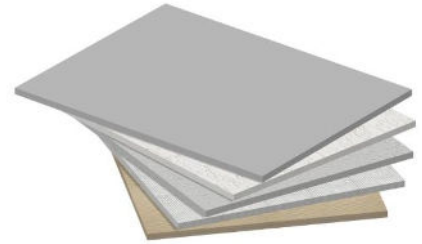
CERTIFIED M.S.
EN ISO 9001:2015
00.12.1118



CERTIFIED M.S.
EN ISO 14001:2015
00.02.1826



CERTIFIED M.S.
EN ISO 45001:2018
00.05.1176



Description

Cboard® is a state-of-the-art asbestos free, highly durable and practical board used in many finishing applications; partition walls, dry linings, suspended ceilings, flooring. Cboard® offers high impact resistance, exceptional durability, and minimal maintenance requirements.

Applications

- Wall Cladding
- Roof Underlay
- Soffit & Eaves Lining
- False Ceilings & Suspended Ceilings
- Partition Walls
- Drywall Systems
- Dry Lining

Features

- Non-Combustible
- Environmentally friendly
- Thermal Insulation
- Impact Resistant
- Termite Resistant
- Easy Installation
- Low Maintenance

Board Composition

Cboard® is manufactured using high-quality, eco-friendly materials, ensuring superior performance and sustainability.

Termite resistance

Advanced impact resistance

Fire Resistance

Durable

Component Function

Portland Cement	Provides structural strength and durability
High-Purity Silica Sand	Improves flexural strength to the mix and fills small voids.
Reinforcing Pulp (Recycled)	Improves impact resistance and flexibility
Water	Aids in curing and hydration of cement
Additives	Increases resistance to fire and moisture

Product Specifications

Cboard® is available in many sizes, thicknesses, and edge types.

Parameter	Specifications
Width	1200mm, 1220mm
Length	2400mm, 2440mm, 3050mm, 3200mm
Thickness Options	6mm, 8mm, 9mm, 10mm, 12mm, 15mm, 16mm, 18mm

Surface finishing

Painted (water or oil base paint)
Cladding (wallpaper, vinyl, wood...)
Joint filling with Ccoat™ All Purpose
Joint Compound

Edge types

Squared edge
Tapered edge
Beveled edge

Physical Properties

Thickness	mm	6	9	12	18	ASTM C 1186
Density	Kg/m3	1308	1355	1309	1381	ASTM C 1186
Tolerance of length	mm	2439	2439	2439	2439	ASTM C 1186
Tolerance of width	mm	1219	1220	1219	1220	ASTM C 1186
Tolerance of thickness	mm	6.21	9.02	12.42	17.92	ASTM C 1186
Flexural strength longitudinal direction	MPa	18.75	15.2	12.74	17.09	ASTM C 1186
Flexural strength transversal direction	MPa	8.11	8.55	7.24	10.12	ASTM C 1186
Moisture content	%	6.66	6.78	9.86	4.91	ASTM C 1186
Water absorption	%	39.12	29.54	31.98	28.74	ASTM C 1186
Linear change	%	0.11	0.10	0.09	0.06	ASTM C 1186
Direct screw withdrawal	N	407	553	742	1415	ASTM C 1185
pH at 25oC	-	10.6	11.0	9.9	11.7	ASTM C 1185
Reaction to fire	-	Class A	Class A	Class A	Class A	ASTM E 84
Flame spread index (FSI)	-	0	0	0	0	ASTM E 84
Smoke development index (SDI)	-	5	5	5	5	ASTM E 84
Water tightness	No water drops seeping through the sheets.				ASTM C 1186	

Recommendation

- Cut the board using an electrical saw.
- Use zinc self-tapping screws with a metal frame of less than 0.7mm to fix the boards.
- Use zinc self-drilling for a metal frame greater than 0.7mm to fix the boards.
- Vertical screw spacing for the first layer of Cboard® is 25cm, 50cm for the second, and 75cm for the third.

Storage and handling

- Avoid contact with moisture or high temperatures for prolonged periods of time.
- Store in a dry/ventilated area above ground level (not in direct contact with the ground).
- Cover the boards with plastic sheets.
- Avoid direct rain or sunlight.
- Avoid cracking or damaging the boards during installation.