

Certified MS
ISO 9001:2015
No. Cert. 1118/Δ/2019



DESCRIPTION

Cboard HD is a strong and durable high density fiber cement board with superior physical properties. It has the same composition of CBoard[®] RG (regular) but with increased physical properties. The high density is reached by hydraulic pressing.

Cboard[®] HD can be used for interior as well as exterior applications and it has advanced water resistance properties. Beyond the smooth surface achieved, Cboard HD is available in different finishing textures including engraved wood patterns, plaster effects, natural stone surfaces, and grooved finishes.

APPLICATION

- Wall cladding
- Roof underlay
- Soffit and eaves lining
- False ceiling
- Partition walls
- Dry lining
- Ventilated or non-ventilated facades
- Exterior substrates and envelops

FEATURES

- High core density
- Paintable
- Impact resistant
- Moisture resistant
- Fire resistant
- Textured



Advanced impact resistance



Moisture resistant





Fire resistance



Textured

PROPERTIES

SURFACE FINISHING	EDGE TYPES	STANDARDS	DIMENSIONS
Bare/smooth	 Squared edge	ASTM C1186	Width 1200mm, 1220mm
Painted (water or oil base paint)			Length 2400mm, 2440mm, 3000mm
Textured	 Tapered edge	ASTM E84	Thickness 9mm, 10mm, 12mm, 15mm, 16mm, 18mm 20mm
Patterned		ASTM C518	
Joint filling with Ccoat [™] Multi-purpose Joint Compound			

PHYSICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARDS
Thickness	mm	15	ASTM C 1186
Weight	Kg/m ²	24.7	ASTM C 1186
Density	Kg/m ³	1650	ASTM C 1186
Flexural strength longitudinal direction	MPa	23.5	ASTM C 1186
Flexural strength transversal direction	MPa	13.6	ASTM C 1186
Water absorption	%	22.1	ASTM C 1186
Moisture content	%	5.5	ASTM C 1186
Linear change	%	0.04	ASTM C 1186
Direct screw withdrawal	N	502	ASTM C 1186
pH	-	10.3	ASTM C 1186
Thermal conductivity	W/m.K	0.29	ASTM C 518
Reaction to fire		Class A	ASTM E 84
Flame spread index (FSI)	-	0	ASTM E 84
Smoke development index (SDI)	-	5	ASTM E 84

RECOMMENDATIONS

- 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 temperatures higher than 50°C for prolonged periods of time.
- Store in a dry/ventilated area above ground level (not in direct contact with the ground).
- Cover boards with plastic sheets.
- Avoid direct rain or sunlight.
- Avoid cracking or damaging the boards during installation.

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Manufactured according to ASTM & EN standards by ECOBAT For Industrial Development.