

MADA FIBER CEMENT BOARD

Technical Data Sheet

TDS-FCB-R02-Rev1 Fiber cement board - June 2022

Advantage



Fire
Resistance



Termite
Resistance



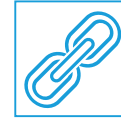
Sound & thermal
insulation



Easy to
work with



Weather
Resistance



High
Impact
Strength



Easy to
decorate



Flexibility



Chemical
Resistance



Radiation
Resistance

Product Description

Mada Fiber Cement Board is manufactured according to ASTM C-1186 standards. It is available in standard dimension with smooth texture finish to meet the requirements of modern buildings for interior and exterior applications.

Field of Application

Mada Fiber Cement Board is a flexible and aesthetically appealing product suitable for wall paneling, false ceiling, mezzanine flooring, fire rated partitions, acoustic partitions, wet area application, external application, etc.



TECHNICAL DATA SHEET

Technical Specification

| Test | Mada Fiber Cement Board |
|-------------------------------|--|
| Dimension | 2400 mm × 1200 mm |
| Thickness | 9mm, 12mm, 15mm, 16mm, 18mm Special Thickness can be produced on demand |
| Edges | Squared |
| Density | 1.3 g/cm ³ + 0.05 g/cm ³ |
| Flexur AI Strength | Wet Strength: > 7.0 MPa (Grade 2) |
| Water Absorption | < 35% |
| Water Tightness | PASS |
| Moisture Movement | 0.04 |
| Moisture Content | < 12% |
| Thermal Conductivity at 250°C | 0.15 w/m.K |
| Ph Value | 7 - 8 |

Acoustic Rating (Mada System application) - Tested as per ASTM E90

| Fire Resistant Properties | Mada Fiber Cement Board |
|---------------------------|-----------------------------|
| Combustibility | Class '0' - Non Combustible |
| Ignitibility | PASS |
| Fire Propagation Index | I = 0 |
| Surface Spread Of Flame | Class - 1 |

*given test results are based on 9mm thick specimen

Handling and Storage

- Mada Fiber Cement Board to be stored on pallets or on a pack of boards and supported evenly on a firm, dry, level and structurally sound floor.
- Protect Mada Fiber Cement Board from direct rain, sunlight or other extensive weather conditions.
- Mada Fiber Cement Board to be stored in dry area inside the building which is ready to receive drywall fixings.
- Cover it with plastic sheet or tarpaulin.
- Use forklift for the horizontal transportation and designed hoists for vertical transportation of pallets.
- Loose Mada Fiber Cement Board must be handled by two people. The board must be lifted in a vertical direction to avoid breaking due to flexing.