

SOLIDROCK® FIBER CEMENT BOARDS



DESCRIPTION

FEATURES & BENEFITS

- Asbestos free
- Moisture resistant
- Dimensional stability
- Non combustible; Non toxic
- Withstands weather changes for exterior application, and ideal for interior wet areas.

Solidrock® Fiber Cement Boards are made from a mix of cement, cellulose fiber and fire resistant fillers. The boards having an excellent resistance against fire, termite and moisture makes it ideal material for varying interior and exterior applications. The recycled contents in the product composition make it more environmental friendly. This product does not contain asbestos, formaldehydes or harmful chemicals. It is the best substitution to wood substrates solutions with a contemporary range of green products suitable for all types of constructions.

INTENDED FOR

- Exterior Envelopes
- Wall partitions
- Roof Underlay
- Ceilings
- Office cubical partitions
- Fixed Wardrobes
- Kitchen cabinets
- Duct Covering

LIMITATIONS

1. Avoid exposure to sustained temperatures exceeding 50 °C.
2. Avoid exposure to excessive, repetitive or continuous moisture before during and after installation. Eliminate sources of moisture immediately.
3. Must be stored off the ground and under cover in accordance with Gypsum Association's Handling and Storage of Gypsum Panel Products (GA-801-07). Sufficient risers must be used to support the entire length of the fiber cement board to prevent sagging.

INTERIOR INSTALLATION

Handling. The boards should always be handled by professional workers. At no time should the boards be lifted flat by one worker of its edges.

Cutting. Solidrock® Fiber Cement Boards can be cut using normal tools as circular saw.

Spacing between boards and metal framing spacing. Consult USG Middle East technical team for the framing spacing.

Fixing. Solidrock® Fiber Cement Boards should be fixed at no less than 10mm from board edges to all framing members using proper screws. For partitions, fix the screws at maximum 300mm centers. For ceilings, fix the screws at 230mm maximum centers and at 150mm maximum centers at board ends.

FINISHING AND DECORATING

For high-quality finishing results, USG Middle East recommends the following products:

- Sheetrock® Base Compound
- Sheetrock® Fiberglass Tape
- USG Corner Beads and Trims
- Sheetrock® Tuff-Hide™ primer-Surfacer

Painting products and systems should be used which comply with recommendations and requirements in Appendixes of ASTM C840. For priming and decorating with paint, texture or wall covering, follow manufacturer's directions for materials used.

All surfaces, including applied joint compound, must be thoroughly dry, dust free, and not glossy. Prime with Sheetrock® Tuff-Hide™ primer- Surfacers. Allow to dry before decorating.

To improve fastener concealment, where Solidrock® Fiber Cement panel walls and ceilings will be subjected to severe artificial or natural side lighting and be decorated with a gloss paint (egg shell, semi-gloss or gloss), the Solidrock® Fiber Cement Boards surface should be skim coated with Sheetrock® Base Compound. This equalizes suction and texture between the boards face paper and the finished joint compound before painting. As an alternative to skim coating, or when a Level 5 finish is required, use Sheetrock® Tuff-Hide™ primer- Surfacer.

PRODUCT DATA

Property	Solidrock® Fiber Cement Boards
Standard size	1200x2400mm
Thickness	6mm, 9mm, 12mm, 15mm, 16mm, 18mm
Density	≥1300 kg/m ³
Moisture content	≤10%
PH value (acid-base)	8-9
Flexural strength	≥10 MPA
Impact strength	≥7.1 kg/m ² *
Adhesion bond strength	≥ 7.9 kg/m ² **
Thermal conductivity at 50 °C	≤0.21/W.mk
Thermal Resistance (R-Value)	0.028 K.m ² /W
Asbestos content	Not detected
Formaldehyde content	Not detected

* for 9mm Board
** for 12mm Board

COMPLIANCE

Solidrock® Fiber Cement Boards comply with:

- ASTM C 1186: Type (A) Grade 1 – Standard Specification for Flat Fiber Cement Boards
- BS 476: Part 7 Class 1

Notice:

As we are involved in constant products development; this document information is subject to change without prior notice. Please always refer to **usgme.com** for the updated products information document.

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