

CertainTeed
GlasRoc[®] BRAND
Tile Backer
Regular and Type X Board

Product Data and Submittal

Product Description

GlasRoc[®] Tile Backer is used behind tiles in wet areas such as bathrooms, laundries, utility rooms and kitchens. GlasRoc[®] Tile Backer Type X provides the same base as GlasRoc[®] Tile Backer, plus it has a specially formulated core for use in fire resistance-rated designs. These products consist of a high performance, water-resistant gypsum board produced with CertainTeed's patented proprietary Enhanced Glass Reinforced Gypsum (EGRG) Technology. Tile can be directly applied, eliminating the need for surface sealants, skim adhesive coats or waterproofing membranes. GlasRoc[®] Tile Backer and GlasRoc[®] Tile Backer Type X are available in standard 4' x 8' (1219 mm x 2438 mm) boards.

Basic Uses

GlasRoc[®] Tile Backer and GlasRoc[®] Tile Backer Type X Boards are used in wet areas, non-wet areas, high-humidity areas and are typically used for adhering ceramic tiles to walls in bathrooms, in shower and tub enclosures, kitchens, laundry and utility rooms. They may be used for walls and ceilings, countertops and as a wall backing for laminate-faced panels or fiberglass tub and shower units to provide impact, fire and sound resistance.

Advantages

- Scores and snaps like standard gypsum board.
- Mold resistant rating of 10 (no mold) when tested per ASTM D 3273.
- Lighter weight than typical cement and fiber-cement backer boards.
- Moisture barrier face eliminates need for additional moisture/vapor retarder.
- Lifetime limited warranty for residential tile installations.
- Tile can be applied directly with latex-portland cement mortar.
- Consistently high quality.
- Uniform edge and field hardness.

Limitations

- Not recommended for continuous exposure to temperatures exceeding 125° F (52° C).
- Framing spacing should not exceed 16" (406.4 mm) o.c. without blocking, 24" (609.6 mm) o.c. with blocking for 1/2" (12.7 mm); or 24" (609.6 mm) o.c. for 5/8" (15.9 mm).
- Boards should be stacked flat with care taken to prevent sagging or damage to edges, ends and surfaces.
- Storing board lengthwise leaning against the framing is not recommended.
- Boards should be carried, not dragged, to place of installation to prevent damaging edges.

- Cutting and scoring should be done from the gray colored face side.
- In cold weather, temperatures within the enclosure should stay within the range of 50° to 95° F (10° to 35° C) and with sufficient ventilation to carry off excess moisture.

Composition and Materials

Manufactured panel with water-resistant EGRG core. GlasRoc[®] Tile Backer Type X has a specially formulated core for use in fire resistance-rated designs.

Sizes and Types

Thicknesses: 1/2" (12.7 mm),
5/8" (15.9 mm) (Type X)

Widths: 4' (1219 mm) standard

Lengths: 8' (2438 mm)

Edges: Square

Packaging: Stacked face to face with no end tapes

Special lengths may be available on special order. Consult your nearest CertainTeed sales representative.

Applicable Standards

GlasRoc[®] Tile Backer meets ASTM C 1178 and applicable ASTM C 1658 requirements; GlasRoc[®] Tile Backer Type X meets ASTM C 1178 and applicable ASTM C 1658 Type X requirements.

(Continued on back)

Job Name

Contractor

Date

Products Specified:

Submittal Approvals
(Stamps or Signatures)

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Technical Data

Surface Burning Characteristics

All GlasRoc® Tile Backer has a Flame Spread rating of 0 and Smoke Developed rating of 0, in accordance with ASTM E 84, (UL 723).

Fire Resistance

Fire resistance tests are conducted in accordance with ASTM E 119, (ANSI/UL 263) and no warranty is made other than conformance to the standard under which the assembly was tested. Minor discrepancies may exist in the values of ratings, attributable to changes in materials and standards, as well as differences between testing facilities. Assemblies are listed as “combustible” (wood framing) and “noncombustible” (concrete and/or steel construction).

GlasRoc® Tile Backer Type X (UL designation: Type EGRG) is Classified by Underwriters Laboratories Inc. for USA and Canada. Ratings are applicable with or without tile. For fire resistance ratings, refer to the Gypsum Association Fire Resistance Design Manual GA-600 and UL Fire Resistance Directory-Vol.1.

Installation

Applicable Standards and References

- ASTM C 630, ASTM 1396, ASTM C 1178 and applicable ASTM C 1658 requirements
- Gypsum Association GA-216
- Gypsum Association GA-214
- Tile Council of North America's TCA Handbook for Ceramic Tile Installation
- ANSI's American National Standard Specifications for the Installation of Ceramic Tile

Framing

Installation of GlasRoc® Tile Backer and GlasRoc® Tile Backer Type X should be consistent with methods described in the standards and references noted. Framing members shall be plumb, true and firmly secured. If necessary, studs around tub enclosures and shower stalls should be

furred so the inside lip of the fixture is flush with the face of the GlasRoc® Tile Backer. The top of the furring should be even with the upper edge of the tub or shower pan.

When used as a tile substrate for walls, minimum 20-gauge steel or wood framing, spacing should not exceed 16" (406.4 mm) o.c. without blocking for 1/2" (12.7 mm); or 24" (609.6 mm) o.c. for 5/8" (15.9 mm).

Always provide appropriate blocking, headers or supports for tub, plumbing fixtures, soap dishes, grab bars, towel racks, etc.

Placing Fixtures

Waterproof receptors, pans, or sub pans shall have upstanding lip or flange not less than 1" (25.4 mm) higher than the water dam or threshold of shower entry way, and shall be installed prior to erection of GlasRoc® Tile Backer.

Install a temporary strip or shim which, when removed, will provide a 1/4" (6.4 mm) clearance between the GlasRoc® Tile Backer and the lip of the tub or shower receptor.

Applying the GlasRoc® Tile Backer Board

Apply the GlasRoc® Tile Backer horizontally to minimize butt joints. Glass-reinforced edge should abut the top edge of the temporary strip or shim.

For fire or sound-rated construction, GlasRoc® Tile Backer should extend full height, floor-to-ceiling, behind tub and/or shower enclosures.

Fasten the 1/2" (12.7 mm) board with 1-1/2" (38.1 mm) galvanized roofing nails, 6" (152.4 mm) o.c., or 1-1/2" (38.1 mm) corrosion resistant backerboard screws, 6" (152.4 mm) o.c. Drive nails and screws flush with surface. Do not countersink fasteners.

In areas to be tiled; joints and corners shall be treated with 2" (50.8 mm) 10 x 10 alkali-resistant fiberglass mesh tape embedded in a skim coat of the tile setting material. Do not use regular joint compound and tape.

Caulk/seal cut edges and penetrations around pipes, fixtures, etc., and where GlasRoc® Tile Backer butts against dissimilar materials with a waterproof, flexible sealant or tile adhesive.

Applying Tile

Apply a tile setting material to the gray acrylic coated face only using a latex-modified thinset meeting ANSI A118.4.

The tile installation shall prevent the passage of water to the GlasRoc® Tile Backer. All joints shall be completely and continuously grouted.

Tile should be applied down to the top edge of the shower floor surfacing material, or the return of the shower pan, and extend over tub lip. The tile shall completely cover the following areas, including all joints and corners:

- Over tubs without shower heads — minimum of 6" (152.4 mm) above rim of tub.
- Over tubs with showers — minimum of 5" (127 mm) above rim or 6" (152.4 mm) above shower head, whichever is higher.
- Surfacing material shall be applied to the full specified height for a distance of not less than 4" (101.6 mm) beyond the outside face of the tub or receptor. Areas beyond an outside corner are excluded.

Fill space between the fixture and the tile with a flexible sealant.

For application of plastic-finished rigid wall panels, recommendations of the panel manufacturer should be followed.

Countertops

See GlasRoc® Tile Backer product brochure for countertop tile backer applications.

Covered by U.S. Patent No. 6,524,679; 6,878,321; 6,866,492; and other patents pending.

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