

CertainTeed
ProRoc[®] BRAND
Moisture Resistant Gypsum Board
Moisture Resistant Type X Gypsum Board

Product Data and Submittal

Product Description

ProRoc[®] Moisture Resistant Gypsum Board is used behind tiles in wet areas such as bathrooms, laundries, utility rooms and kitchens. ProRoc[®] Moisture Resistant Type X Board provides the same base as Moisture Resistant Gypsum Board, plus it has a specially-formulated core for use in fire resistance-rated designs. These products consist of a solid set, water-resistant gypsum core covered with durable water-resistant backing paper and green-colored face paper. Tile can be directly applied to any Moisture Resistant Board, eliminating the need for surface sealants, skim adhesive coats or waterproofing membranes. ProRoc[®] Moisture Resistant Gypsum Board and ProRoc[®] Moisture Resistant Type X Board are available in a variety of lengths and widths.

Basic Uses

ProRoc[®] Moisture Resistant and ProRoc[®] Moisture Resistant Type X Boards are used behind wet 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 also be used as a wall backing for laminate-faced panels or fiberglass tub and shower units to provide impact, fire and sound resistance.

Advantages

- More economical than metal lath/Portland cement base.
- Tile can be applied directly with adhesive.
- Framing locators provided for quicker application.
- Green face paper can be painted or covered with wallpaper.
- Consistently high quality.
- Uniformly flat, attractive appearance.
- High edge hardness.
- No wavy edges, warps, bows or deformities.

Limitations

- Not recommended for continuous exposure to temperatures exceeding 125° F (52° C).
- Framing spacing should not exceed 16" o.c.
- 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 finished edges.
- Cutting and scoring should be done from the face side.
- In cold weather or during joint finishing, 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 gypsum core, covered with durable, water-resistant backing paper. ProRoc[®] Moisture Resistant Type X Board has a specially formulated core for use in fire resistance-rated designs.

Sizes and Types

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

Widths: 4' standard

Lengths: 8' to 12' standard

Edges: Tapered

Packaging: Two pieces per bundle, face-to-face and end-taped

Special widths, lengths or edges may be available on special order. Consult your nearest CertainTeed sales representative.

Applicable Standards

ProRoc[®] Moisture Resistant Gypsum Board meets ASTM C 1396 and ASTM C 630 standards; ProRoc[®] Moisture Resistant Type X Board meets ASTM C 1396 and ASTM C 630 Type X standards.

(Continued on back)

Job Name

Contractor

Date

Products Specified:

Submittal Approvals
(Stamps or Signatures)

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Technical Data

Surface Burning Characteristics

All ProRoc® Moisture Resistant Gypsum Board has a Flame Spread rating of 15 and Smoke Developed rating of 0, in accordance with ASTM E 84, (UL 723, UBC 8-1, NFPA 255, CAN/ULC-S102).

Limited Combustibility

Fire resistance tests are conducted in accordance with ASTM E 119, (ANSI/UL 263, UBC 7-1, NFPA 251, CAN/ULC-S101) 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).

Fire Resistance

ProRoc® Moisture Resistant Type X Gypsum Board is Classified by Underwriters Laboratories Inc. for USA and Canada. Underwriters Laboratories tests have proven that joint finishing is not required for the rating in certain assemblies. 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
- Gypsum Association GA-216
- Gypsum Association GA-214
- Gypsum Association GA-201
- Gypsum Association GA-230
- ICC International Building Code (IBC)

Framing

Installation of ProRoc® Moisture Resistant Gypsum Board and ProRoc® Moisture Resistant Type X Gypsum Board 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 ProRoc® Moisture Resistant Board. The top of the furring should be even with the upper edge of the tub or shower pan.

No blocking is required when studs are spaced 16" o.c. When studs are spaced over 16" o.c., locate one row of blocking approximately 1" above the top of the tub or shower receptor and another midway between the fixture and ceiling.

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

Placing Fixtures

Tubs, shower receptors or pans should have upstanding lip or flange 1" higher than the water drain or threshold of shower, and shall be installed prior to erection of ProRoc® Moisture Resistant Board.

Install a temporary strip or shim which, when removed, will provide a 1/4" clearance between the ProRoc® Moisture Resistant Board and the lip of the tub or shower receptor.

Applying the ProRoc® Moisture Resistant Board

Apply the ProRoc® Moisture Resistant Board horizontally to minimize butt joints. Paper-bound edge should abut the top edge of the temporary strip or shim.

For fire-or sound-rated construction, base ply gypsum board should extend full height, floor-to-ceiling, behind tub and/or shower enclosures.

Fasten the board with 1-3/8" GWB-54 annular ring nails, 8" o.c., or 1-1/4" drywall screws, 8" o.c. If ceramic tile thicker than 3/8" is used, space nails 4" o.c. and screws 8" o.c. Dimple nail heads, using care not to tear face paper.

In areas to be tiled; joints, angles and nail/screw heads shall be treated with a water resistant tile adhesive. Do not use regular joint compound and tape. Board joints beyond the tiled area shall be treated with regular joint compound and tape.

Caulk all cut edges and all openings around pipes, fixtures, etc., with a waterproof, flexible sealant or tile adhesive.

Applying Tile

Apply a tile adhesive to ProRoc® Moisture Resistant Board. Adhesive must be approved by the manufacturer of the surfacing material for use over gypsum board. Do not use water-thinned tile mastics.

The tile installation shall prevent the passage of water to the ProRoc® Moisture Resistant Board. 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 angles:

- Over tubs without shower heads — minimum of 6" above rim of tub.
- Over tubs with showers — minimum of 5' above rim or 6" above shower head, whichever is higher.
- All areas extending beyond face of tub should be covered a minimum of 4" from required height to finished floor (below rim of tub). Areas beyond an exterior corner are excluded.

Fill space between the fixture and the tile with a nonsetting caulking compound.

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

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