

Manufacturer

Georgia-Pacific Gypsum LLC
133 Peachtree St., Atlanta, GA 30303
Technical Service Hotline: 1-800-225-6119 (M-F 8-5 ET)

Description

ToughRock® Moisture-Guard® Gypsum Board has a noncombustible, dimensionally stable gypsum core. The core contains a water-resistant additive that provides increased water resistance. The surfacings on both faces and on the long edges are 100% recycled paper. The front facing paper, which receives the tile finish, is a green color. The ends are square cut.

Primary Uses

ToughRock Moisture-Guard Gypsum Board is a backing material for ceramic, plastic or metal tile for use in building construction. It is designed for direct mechanical attachment to wood or metal wall and ceiling framing for use in non-fire rated building assemblies. The product is popularly known as "Greenboard."

ToughRock Moisture-Guard Gypsum Board is designed as a backer for ceramic and quarry tile. It can be used for non-tile applications.

Limitations

ToughRock Moisture-Guard Gypsum Board is a nonstructural product and should not be used as a nailing base or to support heavy wall-mounted objects. It should not be installed using only staples or adhesives.

ToughRock Moisture-Guard Gypsum Board shall be installed so that tile is applied on the green side of the board.

Do not use ToughRock Moisture-Guard Gypsum Board where there is prolonged exposure to temperatures exceeding 125°F and/or continuous exposure to extreme humidity or wet areas, e.g., located adjacent to woodburning stoves, heating appliances, saunas, steam rooms, swimming pools and gang shower rooms.

Do not use as shower floors or curbs. Do not use in conjunction with passive solar heat systems.

If ToughRock Moisture-Guard Gypsum Board is to be painted or papered, it should be painted with a latex primer prior to receiving decoration.

If product is used in a ceiling application, framing spacing is 12" o.c. maximum.

Applicable Standards

ASTM C 630 and C 1396, CSA-A82.27-M
Federal Specification SS-L-30D
Type VII, Grade W.

Building Code Conformity

ToughRock Moisture-Guard Gypsum Board conforms to the requirements of major building codes.

Sizes

Thickness - nominal 1/2"
Widths - nominal 48"
Lengths - standard 8'-12'

Edges

Tapered.

Supplemental Materials

Fasteners: Nails and screws.

Finishing: Tape, ready-mix or setting type joint compound, textures, acoustical sealant.

Trims: Corner bead, edge/casing bead, control joints, floor/ceiling runners and channels.

Technical Data—Surface Burning Characteristics

Flame spread 15 and smoke developed 0 when tested according to ASTM E 84 and CAN/ULC-S102. The core is noncombustible when tested in accordance with ASTM E 136 or CAN/ULC-S114.

Sound Control

Sound rated assemblies require sealing at top, bottom, intersections and other locations where sound leaks may develop.

Application Standards

ToughRock Moisture-Guard Gypsum Board may be applied according to the Gypsum Association Publication GA-216 or ASTM C 840.

Methods

Installation methods for single- or multi-layer construction involving attachments using mechanical fasteners, adhesive or adhesive with supplemental fasteners are numerous and varied. Refer to Gypsum Association publications for application and installation details.

The installation method selected must be planned carefully to minimize the number of end joints. ToughRock Moisture-Guard Gypsum Board can be cut by scoring and snapping or sawing, working from face side. Position ToughRock Moisture-Guard Gypsum Board next to framing with green side away from framing. Caulk raw edges (end joints and cutouts) with adhesive or waterproofing compound.

Safety

During installation involving cutting, scoring, breaking and sanding, safety glasses are recommended. If the work environment is dusty, a NIOSH-approved respirator should be worn.

Handling Precautions

Stack ToughRock Moisture-Guard Gypsum Board flat on a level surface under protective cover. As individual sheets are removed for installation, they should be raised carefully on edge and carried in a vertical position. Appropriate handling also is outlined in Gypsum Association Publication GA-216 and GA-801.

Take care to avoid impact, undue flexing and damage to edges, ends and corners.

Material Safety Data Sheet

Material Safety Data Sheet (MSDS) is available upon request.

Submittal Approvals

Job Name _____
Contractor _____
Date _____

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Physical Properties

Properties ¹	1/2" ToughRock® Moisture-Guard®†
Thickness, nominal	1/2" (12.7mm), ± 1/64" (0.4mm)
Width, nominal	4' (1220mm) ± 3/32" (2.4mm)
Length, standard	8' (2440mm) to 12' (3660mm) ± 1/4" (6.4mm)
Weight, lbs./M sq. ft., nominal	1750
Edges	Tapered
Flexural strength, minimum	
Parallel, lbs.f.	40
Perpendicular, lbs.f.	110
R value ²	.45
Nail pull resistance, lbs. minimum	80
Hardness, lbs. force core, edges and ends	≥ 15
Humidified deflection, maximum	10/8"
Packaging	Two pieces per bundle, face-to-face and end taped.
Surface Burning Characteristics, (per ASTM E 84 or Can/ULC-S102)	Flame Spread 15, Smoke Developed 0 (The core is noncombustible when tested in accordance with ASTM E 136.)
Surfacing	100% recycled paper coverings on face, back and long edges; green color on face
Framing Spacing, maximum	
Walls	16" o.c.
Ceilings	12" o.c.
Water absorption, % maximum	5.0

¹Tested in accordance with ASTM C 473.

²Tested in accordance with ASTM C 518.

Note: Specified minimum values are as in ASTM C 630 and C 1396

Other lengths and types may be available on special order.

[†]This product may not be able to be used for wet area applications in jurisdictions that adopt the 2006 IBC or IRC.



SALES INFORMATION AND ORDER PLACEMENT

U.S.A. Midwest: 1-800-876-4746 West: 1-800-824-7503
South: 1-800-327-2344 Northeast: 1-800-947-4497

CANADA Canada Toll Free: 1-800-387-6823
Quebec Toll Free: 1-800-361-0486

TECHNICAL INFORMATION

Georgia-Pacific Gypsum Technical Hotline
U.S.A. and Canada: 1-800-225-6119
www.gpgypsum.com

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UPDATES AND CURRENT INFORMATION

The information in this document may change without notice. Visit our website at www.gpgypsum.com for updates and current information.

LIMITATION OF REMEDIES AND DAMAGES

Our sole liability for any product claim shall be limited to reimbursement of the cost of repair or replacement of the affected product, up to a maximum amount of two times the original purchase price for the affected product. We shall not be responsible under any circumstances for lost profits, damage to a structure or its contents, or indirect, incidental, special or consequential damages. Claims

shall be deemed waived if they are not submitted to us in writing within ten (10) days after discovery of a product defect/circumstance giving rise to a claim.

CAUTION: For product fire, safety and use information, go to gp.com/safetyinfo.

HANDLING AND USE

CAUTION: This product may contain fiberglass which may cause skin irritation. Dust and fibers produced during the handling and installation of the product may cause skin, eye and respiratory tract irritation. Avoid breathing dust and minimize contact with skin and eyes. Wear long sleeve shirts, long pants and eye protection. Always maintain adequate ventilation. Use a dust mask or NIOSH/MSHA approved respirator as appropriate in dusty or poorly ventilated areas. For additional product fire, safety and use information go to

www.gp.com/safetyinfo or call 1-800-225-6119.

FIRE SAFETY CAUTION

Passing a fire test in a controlled laboratory setting and/or certifying or labeling a product as having a one-hour, two-hour, or any other fire resistance or protection rating and, therefore, as acceptable for use in certain fire rated assemblies/systems, does not mean that either a particular assembly/system incorporating the product, or any given piece of the product itself, will necessarily provide one-hour fire resistance, two-hour fire resistance, or any other specified fire resistance or protection in an actual fire. In the event of an actual fire, you should immediately take any and all actions necessary for your safety and the safety of others without regard for any fire rating of any product or assembly/system.