

Manufacturer

Georgia-Pacific Gypsum
133 Peachtree Street
Atlanta, GA 30303
Technical Service Hotline: 1-800-225-6119

Georgia-Pacific Canada
2180 Meadowvale Boulevard, Suite 200
Mississauga, ON L5N 5S3

Description

ToughRock® Basement Gypsum Board is designed for use in interior wall and ceiling applications and offers enhanced protection against mold exposure that can cause deterioration and/or stains. It contains a non-combustible core (when tested in accordance with ASTM E136); and mold-resistant treated, 100% recycled paper facings on the front (ivory colored), back and long edges. **Product is available as 1/2" (12.7 mm).**

Primary Uses

ToughRock Basement Board can be used in building applications that require direct mechanical attachment to wood or metal wall and ceiling frames, or attachment to existing surfaces using fasteners or adhesives.

Moisture and Mold Resistance

ToughRock Basement Board is designed to provide extra protection against mold and mildew compared to traditional paper-faced gypsum board products. When tested, as manufactured, per ASTM D3273 ("Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber"), ToughRock Basement Board achieved a score of 10, the best possible score for this test.

The use of ToughRock Basement Board in actual installations may not produce the same results as were achieved in controlled, laboratory conditions. No material can be considered "mold-proof", nor is it certain that any material will resist mold or mildew indefinitely. When used in conjunction with good design, handling and construction practices, ToughRock Basement Board can provide increased mold resistance versus standard gypsum board products. As with any building material, avoiding water exposure during handling, storage and installation, and after installation is complete, is the best way to avoid the formation of mold or mildew.

Limitations

1/2" (12.7 mm) ToughRock Basement Boards are nonstructural products and should not be used as a nailing base or to support heavy wall-mounted objects. They should not be installed using only staples or adhesives.

Do not use the products where there is prolonged exposure to temperatures exceeding 125°F (52°C) and/or continuous exposure to extreme humidity, e.g., located adjacent to wood-burning stoves, heating appliances, steam rooms, gang shower rooms and swimming pools.

Product is not intended for wet areas behind tile such as tub and shower areas. Georgia-Pacific recommends the use of DensShield® Tile Backer behind tile in wet areas. For other areas likely to be exposed to extreme moisture, Georgia-Pacific recommends the use of DensArmor Plus® Interior Panels.

If ToughRock Basement Board is to be painted or papered, it should be primed with a latex primer prior to receiving decoration. See "Finishing Tips" section for more details.

If product is used in single ply ceiling applications, framing spacing is 16" (406 mm) o.c. maximum parallel, and 24" (610 mm) o.c. maximum for perpendicular applications.

To prevent mold and mildew development, avoid water exposure during handling, storage and installation, and after installation is complete.

Applicable Standards

ASTM C1396, Section 5 and CSA-A82.27-M.

Building Code Conformity

ToughRock Basement Board conforms to the requirements of major building codes for its intended use.

Sizes

Type Regular
Thickness - nominal 1/2" (12.7 mm)
Widths - nominal 48" (1219 mm)
Lengths - standard 8' (2440 mm)

Edges

Tapered

Supplemental Materials

Fasteners: Nails, screws, staples and/or adhesive.

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

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

Technical Data

Flame spread 15 and smoke developed 0 when tested according to ASTM E84. The core is noncombustible when tested in accordance with ASTM E136.

Sound Control

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

Installation—Application Standards:

1/2" (12.7 mm) ToughRock Basement boards may be applied according to the Gypsum Association Publication GA-216 or ASTM C840.

Safety

See *Handling and Use—Caution* section at end of this document.

Handling Precaution:

Stack ToughRock Basement Board flat on a level surface. 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 Publications 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 or online at www.buildgp.com/safetyinfo.

Finishing Tips and Decoration Application

This product will accommodate a variety of decorative treatments after proper surface preparation.

ToughRock Basement Board is designed to accept most types of paints, texture and wall covering materials. Georgia-Pacific Gypsum strongly recommends priming the surface with a full-bodied, quality latex primer before applying a final decorative material. Priming will equalize the suction variation between the joint compounds and the paper surface. If glossy paints are used in such areas as kitchens or bathrooms, skim coat joint compound over the entire surface to reduce highlighting or joint photographing. This method is also recommended in areas with severe natural or artificial side lighting.

Georgia-Pacific Gypsum recommends application of a sealer prior to applying wallpaper or other wall covering to the board so that the board surface will not be damaged if the covering is subsequently removed during redecorating. Joint treatment must be thoroughly dry before proceeding with primer application and final decoration. Refer to Gypsum Association Publications GA-214 and GA-216 for joint treatment and finishing recommendations.

continued →

Submittal Approvals

Job Name _____
Contractor _____
Date _____

Physical Properties

Properties ¹	1/2" (12.7 mm) Toughrock® Basement Gypsum Board
Type	Regular
Thickness, nominal	1/2" (12.7 mm), ± 1/64" (0.4 mm)
Width, nominal	4' (1220 mm) – 3/32" (2.4 mm)
Length, standard	8' (2440 mm)
Weight, lbs./sq. ft., nominal (kg/m ²)	1.75 (8.5)
Edges	Tapered
Surfacing	100% recycled paper coverings on face, back and long edges; white color on face
Flexural strength, minimum ³	
Parallel, lbs.f. (N)	≥36 (160)
Perpendicular, lbs.f. (N)	≥107 (475)
R value ² °F•ft ² •hr/BTU (K•m ² /W)	.45 (0.079)
Nail pull resistance, lbs. minimum ³ (N)	≥77 (342)
Hardness, lbs. force (core, edge and end) (N)	≥15 (67)
Humidified Deflection, inches (mm)	10/8" (33 mm)
Packaging	Two pieces per bundle, face-to-face and end taped.
Surface Burning Characteristics (per ASTM E84)	Flame Spread 15 Smoke Developed 0

¹ Tested in accordance with ASTM C473.

Note: Specified minimum values are as in ASTM C1396.

For fire safety information, visit www.gp.com/gypsum/firesafety.

² Tested in accordance with ASTM C518.

³ Tested in accordance with ASTM C473, Section 9, Method B.



U.S.A. Georgia-Pacific Gypsum LLC
 Georgia-Pacific Gypsum II LLC
 Canada Georgia-Pacific Canada LP

SALES INFORMATION AND ORDER PLACEMENT

U.S.A. West: **1-800-824-7503**
 Midwest: **1-800-876-4746**
 South Central: **1-800-231-6060**
 Southeast: **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

U.S.A. and Canada: **1-800-225-6119**, www.gpgypsum.com

TRADEMARKS Unless otherwise noted, all trademarks are owned by or licensed to Georgia-Pacific Gypsum LLC.

WARRANTIES, REMEDIES AND TERMS OF SALE For current warranty information for this product, please go to www.gpgypsum.com and select the product for warranty information. All sales of this product by Georgia-Pacific are subject to our Terms of Sale available at www.gpgypsum.com.

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.

CAUTION For product fire, safety and use information, go to www.buildgp.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.