

Manufacturer

Georgia-Pacific Gypsum LLC Georgia-Pacific Canada LP
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Technical Service Hotline: 1-800-225-6119

Description

ToughRock® CD® Ceiling Board has a noncombustible per (ASTM E136 and CAN/ULC S114), dimensionally stable gypsum core. The core has been reinforced with the addition of glass fibers, increasing its strength and its sag resistance. The surfacings on both faces and on the long edges are 100% recycled paper. The front face paper is white; the back face paper is gray. The ends are square cut.

Georgia-Pacific ToughRock Gypsum Board products are GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schoolssm Certified for low emissions of volatile organic compounds (VOCs). They are listed in CHPS® High Performance Product Database as low emitting products.

Primary Uses

ToughRock CD Ceiling Board is a ceiling covering material for use in new building construction or renovation. It is designed for direct mechanical attachment (screws or nails) to wood or metal framing for use in building assemblies. It is designed to be a sag-resistant and cost-effective alternative to 5/8" (15.9 mm) gypsum board, when attached to ceiling joists or trusses spaced 24" (610 mm) o.c. and where water-based textures are applied. In addition, if desired, ToughRock CD Ceiling Board can also be used on walls.

ToughRock CD Ceiling Board is manufactured with a paper surfacing designed to receive joint treatment, paint, wall covering, or textured coatings.

Limitations

- ToughRock CD Ceiling Board is a nonstructural product and should not be used as a nailing base or to support heavy wall-mounted objects.
- It is intended for interior applications; it must be kept dry and clean and not used where exposure to moisture is extreme or continuous, such as showers, gang showers, saunas, steam rooms or swimming pool enclosures.
- Do not use ToughRock CD Ceiling Board where it is exposed to temperatures exceeding 125°F (52°C) for extended periods of time, e.g., located adjacent to wood-burning stoves, electric lighting, heating appliances, and hot air flues.
- Always seal ToughRock CD Ceiling Board with a high-quality latex primer before applying texture. Per GA-216, Table 4, insulation should never exceed 2.2 lbs./sq. ft. (10.7 kg/m²) for single-layer board, or 4.4 lbs./sq. ft. (21.5 kg/m²) for double-layer of board. Adequate ventilation is imperative when applying texture to ToughRock CD Ceiling Board.

Applicable Standards

Manufactured to meet ASTM C1396, section 12, and CSA-A82.27-M.

Building Code Conformity

ToughRock CD Ceiling Board conforms to the requirements of uniform IBC/IRC building codes.

Sizes

Thickness, nominal	1/2" (12.7 mm)
Widths, nominal	48" (1220 mm)
Lengths, standard	8'-12' (2440-3658 mm)

Edges

Tapered or tapered with round edges.

Supplemental Materials

Corner beads and trim, expansion joints, joint tape, joint compound.

Technical Data—Surface Burning Characteristics

Flame spread rating of 15 and smoke developed 0, when tested in accordance with ASTM E84 or CAN/ULC S102. The core is noncombustible when tested in accordance with ASTM E136 or CAN/ULC S114.

Application Standards

ToughRock CD Ceiling Board may be applied according to the Gypsum Association Publication GA-216 "Recommended Specifications for the Application and Finishing of Gypsum Board," and ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board" for non-fire rated construction.

Handling Precautions

Stack ToughRock CD Ceiling Board flat on a level surface. As individual sheets are removed for installation, they should be raised up on edge carefully 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 subsequent damage to board edges, ends and corners. Avoid scuffing the face to be finished.

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.

Material Safety Data Sheet

Material Safety Data Sheet (MSDS) is available upon request or online at www.gp.com/safetyinfo.

continued →

Submittal Approvals

Job Name _____

Contractor _____

Date _____

Single-Ply Application

	Nail Applications		Screw Applications	
Gypsum Board Thickness	Nail Length	Spacing	Screw Length	Spacing
1/2" (12.7 mm)	1-3/8" (35 mm)	7" (178 mm)	1" (25 mm)	12" (305 mm)

Nails: ASTM C514, Nails for the Application of Gypsum Board **Screws:** ASTM C1002, Specification for Steel Drill Screws for the Application of Gypsum Board or Metal Plaster Base

Physical Properties

Properties	ToughRock® CD® Ceiling Board
Thickness, nominal inches	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) to 12' (3658 mm) ± 1/4" (6.4 mm)
Weight ¹ , lbs./sq. ft., nominal (kg/m ²)	1.7 (8.3)
Edges	Tapered, or tapered with round edges
Flexural Strength ³ spacing, min.	
Parallel, lbf. (N)	≥36 (160)
Perpendicular, lbf. (N)	≥107 (476)
R Value ² , °F•ft ² •hr/BTU (m ² •K/W)	0.45 (0.08)
Nail Pull Resistance ³ , minimum, lbf. (N)	≥77 (343)
Hardness, lbf. (N) (core, edges and ends)	≥15 (67)
Humidified Deflection ³	5/16" (8 mm)
Surface Burning Characteristics ⁴ (per ASTM E84 or CAN/ULC S102)	
Flame Spread	15
Smoke Developed	0
(The core is noncombustible when tested in accordance with ASTM E136 or CAN/ULC S114.)	
Framing spacing, maximum	Ceilings—24" o.c. (610 mm)

¹ Represents approximate weight for design and shipping purposes. Actual weight may vary depending on manufacturing location and other factors.

² Per Gypsum Association document GA-235.

³ Specified minimum values are as defined in ASTM C1396.

⁴ Products qualify for NFPA Class A or IBC Class 1.



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

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

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

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

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CAUTION For 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.