

Manufacturer

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

Description

ToughRock® CD® Ceiling Board has a noncombustible, 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.

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" gypsum board, when attached to ceiling joists or trusses spaced 24" 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 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. Insulation should never exceed 2 lbs/sf. Adequate ventilation is imperative when applying texture to ToughRock CD Ceiling Board.

Applicable Standards

ASTM C 1395 (Physical Properties) and ASTM C 1396, CSA-A82.27-M

Building Code Conformity

ToughRock CD Ceiling Board conforms to the requirements of major building codes.

Sizes

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

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

Sound Control

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

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 C 840 "Standard Specification for Application and Finishing of Gypsum Board" for non-fire rated construction.

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 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.

Submittal Approvals

Job Name _____
Contractor _____
Date _____

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Single-Ply Application

NAILS: ASTM C 514, Nails for the Application of Gypsum Board **SCREWS:** ASTM C 1002, Specification for Steel Drill Screws for the Application of Gypsum Board or Metal Plaster Base

Nail Applications			Screw Applications	
Gypsum Board Thickness	Nail Length	Spacing	Screw Length	Spacing
1/2"	1 3/8"	7"	1"	12"

¹ Also refer to local code requirements.

Physical Properties

Properties	ToughRock® CD® Ceiling Board
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 ¹	1750 ¹
Edges	Tapered or tapered with round edges
Flexural strength, minimum	
Parallel, lbs.	40
Perpendicular, lbs.	110
R value ²	0.45
Nail pull resistance, lbs. minimum	80
Hardness, lbs. force core, edges and ends	≥ 15
Humidified deflection, maximum	5/16"
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 (Core is noncombustible when tested in accordance with ASTM E 136.)
Surfacing	100% recycled paper coverings on face, back and long edges
Framing Spacing, maximum	Ceilings—24" o.c.

¹ Represents approximate weight for design and shipping purposes. For more exacting weight for your area, consult your local representative or call the Georgia-Pacific Gypsum Technical Hotline at 800-225-6119.

² Tested in accordance with ASTM C 518.

NOTE: Specified minimum or maximum values are as in ASTM C 1395 and ASTM C 1396.

Other lengths and types may be available on special order.



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.