

**Manufacturer**

Georgia-Pacific Gypsum                      Georgia-Pacific Canada  
133 Peachtree Street                      2180 Meadowvale Boulevard, Suite 200  
Atlanta, GA 30303                      Mississauga, ON L5N 5S3

Technical Service Hotline: 1-800-225-6119

**Description**

**ToughRock® Span 24® Ceiling Board** has a noncombustible (per ASTM E136), 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 and GREENGUARD Gold 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 Span 24 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 Span 24 Ceiling Board can also be used on walls.

ToughRock Span 24 Ceiling Board is manufactured with a paper surfacing designed to receive joint treatment, paint, wall covering, or textured coatings.

**Limitations**

- ToughRock Span 24 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 Span 24 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 Span 24 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/m<sup>2</sup>) for single-layer board, or 4.4 lbs./sq. ft. (21.5 kg/m<sup>2</sup>) for double-layer of board. Adequate ventilation is imperative when applying texture to ToughRock Span 24 Ceiling Board.

**Applicable Standards**

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

**Building Code Conformity**

ToughRock Span 24 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. The core is noncombustible when tested in accordance with ASTM E136.

**Application Standards**

ToughRock Span 24 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 Span 24 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.buildgp.com/safetyinfo](http://www.buildgp.com/safetyinfo).

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

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

<sup>2</sup> Per Gypsum Association document GA-235.

<sup>3</sup> Specified minimum values are as defined in ASTM C1396.

<sup>4</sup> Products qualify for NFPA Class A or IBC Class 1.



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](http://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](http://www.gpgypsum.com) for updates and current information.

**CAUTION** For product fire, safety and use information, go to [www.buildgp.com/safetyinfo](http://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.