

**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® Stretch 54® Gypsum Board** has a noncombustible (per ASTM E136), dimensionally stable gypsum core. The surfacings on both faces and on the long edges are 100% recycled paper. The front face (side to be finished) and the long edges are an ivory color; the back face paper is gray. The ends are square cut. ToughRock Stretch 54 Gypsum Board is specifically designed for 9' (2743 mm) ceilings. The use of 54" (1372 mm) Wide Gypsum Board in this application saves labor and time by eliminating the need to use board to fill the gap left from 4' (1220 mm) wide board.

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 Stretch 54 Gypsum Board is a wall covering material for use in new building construction or renovation work. It is designed for direct attachment (screws, nails or adhesive in combination with fasteners) to wood and metal framing or existing surfaces. It may also be used as a covering material for flat or curved structures; the material may be formed to a curve with a short radius.

ToughRock Stretch 54 Gypsum Board is manufactured with an ivory colored paper surface designed to receive joint treatment, then paint, wall covering, textured coatings or other finish treatment.

**Limitations**

- ToughRock Stretch 54 Gypsum Board is a nonstructural product and should not be used as a nailing base to support heavy wall-mounted objects.
- It is intended for interior applications only.
- Do not use ToughRock Stretch 54 Gypsum Board 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, swimming pools, saunas or steam rooms.
- Consult manufacturer's literature when water-based textures are to be used.

**Applicable Standards**

Manufactured to meet ASTM C1396 Section 5, CSA-A82.27-M; and Federal Specification SS-L-30D, Type III, Grade R.

**Building Code Conformity**

ToughRock Stretch 54 Gypsum Board conforms to the requirements of uniform IBC/IRC building codes.

**Sizes and Edges**

Thickness, nominal	1/2" (12.7 mm)	5/8" (15.9 mm)
Widths, nominal	54" (1372 mm)	54" (1372 mm)
Lengths, standard	8'-16' (2440–4880 mm)	8'-16' (2440–4880 mm)

**Edges**

Square, tapered or tapered with round edges.

**Supplemental Materials**

*Fasteners:* Nails, screws or adhesive.  
*Finishing:* Tape, ready mixed or setting type joint compound, textures, acoustical sealant.  
*Trims:* Corner bead, edge/casing bead, control joints, floor/ceiling runners and channels.

**Technical Data**

Flame spread rating of 15 and smoke developed 0, when tested in accordance with ASTM E84. The core is non-combustible when tested in accordance with ASTM E136.

The 5/8" (15.9 mm) ToughRock Fireguard X Stretch 54 Gypsum Board is UL classified, Type X.

**Sound Control**

Sound rated assemblies require caulking at top, bottom, intersections and other penetrations with acoustical sealant to ensure the effectiveness of the assembly and obtain desired STC rating.

**Installation—Application Standards**

ToughRock Stretch 54 Gypsum Board shall be installed 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. However, to achieve a designated fire resistance rating, installation and details must be consistent with tested assemblies as listed in the Gypsum Association Fire Resistance Design Manual GA-600 and UL Fire Resistance Directory.

**Methods**

For non-rated construction, 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 should be planned carefully to minimize the number of end joints. ToughRock Stretch 54 Gypsum Board can be cut to the necessary size by scoring the face paper with a sharp knife, then snapping away from the cut face. The back paper is then cut or broken by snapping the board in the opposite direction. All cut edges and ends are smoothed by rasping or other suitable methods to form tight-fitting joints when installed.

For rated assemblies, appropriate methods of installation are based on the desired fire resistance rating or specified STC value required. These ratings and values require that details of the tested assemblies be followed. In addition to these details, the installation methods outlined in Gypsum Association Publication GA-216 will facilitate optimum performance through preferred construction practices.

**Handling Precautions**

Stack ToughRock Stretch 54 Gypsum 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 is also outlined in Gypsum Association Publications 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).

*continued* →

**Submittal Approvals**

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Date \_\_\_\_\_

**Maximum Framing Spacing (Wood or Metal)**

Single-Ply Thickness	Application	Maximum Framing Members o.c. Spacing
Walls 1/2" (12.7 mm) or 5/8" (15.9 mm)	Right Angles or Parallel	24" (610 mm) o.c.

**Single-Ply Application<sup>1</sup>**

Nail Applications			Screw Applications	
Board Thickness	Minimum Nail Length	Spacing, Walls	Screw Length	Spacing, Walls <sup>2</sup>
1/2" (12.7 mm)	1-3/8" (35 mm)	8" (203 mm)	1" (25 mm)	16" (406 mm)
5/8" (15.9 mm)	1-1/2" (38 mm)	8" (203 mm)	1-1/4" (32 mm)	16" (406 mm)

<sup>1</sup> Also refer to local code requirements.

<sup>2</sup> Where framing members are spaced 24" (610 mm) o.c., screw spacing of 12" (305 mm) o.c.

**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	1/2" (12.7 mm) ToughRock® Stretch 54® Gypsum Board	5/8" (15.9 mm) ToughRock® Fireguard X™ Stretch 54® Gypsum Board
Thickness, nominal inches	1/2" (12.7 mm), ± 1/64" (0.4 mm)	5/8" (15.9 mm), ± 1/64" (0.4 mm)
Width, nominal	54" (1372 mm), ± 3/32" (2.4 mm)	54" (1372 mm), ± 3/32" (2.4 mm)
Length, standard	8' (2440 mm) to 16' (4880 mm) ± 1/4" (6.4 mm)	8' (2440 mm) to 14' (4270 mm) ± 1/4" (6.4 mm)
Weight <sup>1</sup> , lbs./sq. ft., nominal (kg/m <sup>2</sup> )	1.6 (7.8)	2.2 (10.7)
Edges	Tapered, square or tapered with round edges	Tapered, square or tapered with round edges
Surfacing	100% recycled paper face, back and long edges	100% recycled paper face, back and long edges
Flexural Strength <sup>3</sup> spacing, min.		
Parallel, lbf. (N)	≥36 (160)	≥46 (205)
Perpendicular, lbf. (N)	≥110 (489)	≥147 (654)
R Value <sup>2</sup> , °F•ft <sup>2</sup> •hr/BTU (m <sup>2</sup> •K/W)	0.45 (0.08)	0.56 est. (0.10)
Nail Pull Resistance <sup>3</sup> , minimum, lbf. (N)	≥77 (343)	≥87 (387)
Hardness, lbf. (N) (core, edges and ends)	≥15 (67)	≥15 (67)
Humidified Deflection <sup>3</sup>	15/8" (45 mm)	5/8" (16 mm)
Surface Burning Characteristics <sup>4</sup> (per ASTM E84)		
Flame Spread	15	15
Smoke Developed	0	0

(The core is noncombustible when tested in accordance with ASTM E136.)

<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

**TRADEMARKS** TOUGHRock, FIREGUARD X, STRETCH 54 and the GEORGIA-PACIFIC logo are trademarks owned by or licensed to Georgia-Pacific Gypsum LLC. Collaborative for High Performance Schools and CHPS are trademarks owned by Collaborative for High Performance Schools, Inc.

**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](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.