

**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® Sound Deadening 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 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 Sound Deadening Board is a base layer sound transmission control component used in interior gypsum board assemblies, load-bearing wood stud partitions and non-load bearing steel stud partitions. It is designed for direct attachment (screws, nails or adhesive) to wood and metal framing or existing surfaces.

**Limitations**

- ToughRock Sound Deadening Board is a non-structural product and should not be used as a nailing base to support heavy wall mounted objects. It is designed for use as a base layer to be covered by a second gypsum board.
- It is intended for interior applications only; it must be kept dry and not used where exposure to moisture is extreme or continuous.
- Do not use ToughRock Sound Deadening 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.

**Applicable Standards**

Manufactured to meet ASTM C1396 Section 6, CSA-A82.27-M and Federal Specification SS-L-30D, Type IV, Grade X.

**Building Code Conformity**

ToughRock Sound Deadening Board complies with the requirements of uniform IBC/IRC building codes.

**Sizes and Edges**

Thickness, nominal    1/4" (6.4 mm)  
Widths, nominal        4' (1220 mm)  
Lengths, standard      8' (2440 mm)

**Edges**

Tapered and square edges.

**Supplemental Materials**

*Fasteners:* Nails, screws or adhesive.

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

**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.

**Sound Control**

Sound Transmission Class (STC) ratings are determined by tests made on assemblies of specific materials, per ASTM E90. Sound-rated assemblies require sealing at top, bottom, intersections and other penetrations to ensure the effectiveness of the assembly and obtain desired STC rating. Test reports are available upon request.

**Installation—Application Standards**

ToughRock Sound Deadening Board should 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".

**Methods**

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.

ToughRock Sound Deadening Board can be cut by scoring and snapping or sawing, working from the face side. All cut edges and ends are smoothed by rasping or other suitable methods to form tight-fitting joints when installed. The installation method selected should be planned carefully to minimize the number of end joints. Stagger joints on opposite sides of framing for both Sound Deadening Board and for facing layer. Avoid back-to-back mounting of electrical and plumbing outlets. Caulk perimeters and all penetrations.

**Handling Precautions**

Stack ToughRock Sound Deadening 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.

**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 \_\_\_\_\_



**Physical Properties**

Properties	ToughRock® Sound Deadening Board
Thickness, nominal inches	1/4" (6.4 mm), ± 1/64" (0.4 mm)
Width, nominal	4' (1220 mm) ± 3/32" (2.4 mm)
Length, standard	8' (2440 mm) ± 1/4" (6.4 mm)
Weight <sup>1</sup> , lbs./sq. ft., nominal (kg/m <sup>2</sup> )	1.2 (5.0)
Edges	Square
Surfacing	100% recycled paper coverings on face, back and long edges
Flexural strength <sup>3</sup> , minimum	
Parallel, lbf. (N)	≥20 (89)
Perpendicular, lbf. (N)	≥50 (222)
R Value <sup>2</sup> , °F•ft <sup>2</sup> •hr/BTU (m <sup>2</sup> •K/W)	.22 est (0.4)
Nail pull resistance <sup>3</sup> , Min., lbf. (N)	≥40 (178)
Hardness, lbf. (N) (core, edges and ends)	≥15 (67)
Packaging	Two pieces per bundle, face-to-face and end taped
Surface Burning Characteristics <sup>4</sup> (per ASTM E84)	
Flame Spread	15
Smoke Developed	0
(Core is noncombustible when tested in accordance with ASTM E136.)	
Framing Spacing, maximum	
Walls	16" (406 mm) o.c. wood; 24" (610 mm) o.c. metal
Ceilings	16" (406 mm) o.c.

<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

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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.