

ToughRock™ Sound Deadening Board

Manufacturer

G-P Gypsum Corporation
133 Peachtree Street, N.E.
Atlanta, GA 30303
Technical Hotline: 1-800-225-6119 (M-F 8-7 ET)

Description

ToughRock™ Sound Deadening Board has a noncombustible, dimensionally stable, inert gypsum core. The surfacings on both faces and on the long edges are 100% recycled paper. The ends are square cut, smooth finished with no paper facing.

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 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

ASTM C 442, 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 major building codes.

Sizes and Edges

Thickness nominal	Widths nominal	Lengths standard
1/4"	4'	8'

Edges: Square.

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 E 84 or CAN/ULC-S102.

Fire Resistance Rating

ToughRock Sound Deadening Board is classified for fire resistance by Underwriters Laboratories.

Sound Control

Sound Transmission Class (STC) ratings are determined by tests made on assemblies of specific materials, per ASTM E 90. 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-201 "Using Gypsum Board for Walls and Ceilings," 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.

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.

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.

Safety

During installation involving cutting, scoring and breaking, safety glasses are recommended. If the work environment is dusty, an approved respirator should be worn. Do not use a power saw.

Handling Precautions

Stack ToughRock Sound Deadening Board on a flat, 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.

Material Safety Data Sheet

Material Safety Data Sheet (MSDS) is available upon request.

PHYSICAL PROPERTIES	
PROPERTIES ¹	TOUGHROCK™ SOUND DEADENING BOARD
Thickness, nominal	1/4" (6.4mm), ± 1/64" (0.4mm)
Width Nominal	4' (1220mm) ± 3/32" (2.4mm)
Length, standard	8' (2440mm) ± 1/4" (6.4mm)
Weight, lbs./M sq. ft., nominal	1250
Edges	Square
Flexural strength, minimum Parallel, lbs. f. Perpendicular, lbs. f.	20 50
R value ²	.22 est
Nail pull resistance lbs. minimum	40
Hardness, lbs. force core, edges and ends	≥15
Humidified deflection, maximum	N/A (not applicable)
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 Walls Ceilings	(Laminated) 16" o.c. wood, 24" o.c. metal 16" o.c.
Water absorption, % maximum	N/A (not applicable)
¹ Tested in accordance with ASTM C 473. ² Tested in accordance with ASTM C 518. NOTE: Specified minimum values are as in ASTM C 442. Special sizes may be available on special order.	

For more information about these and other products, contact:
 G-P Gypsum Corporation • 133 Peachtree Street NE • Atlanta, GA 30303
 Or visit our Web site at www.gp.com/gypsum.

For technical assistance, call the G-P Gypsum Technical Service Hotline at 1-800-225-6119.

For sales information and order placement, call:

USA Midwest: 1.800.876.4746
 South: 1.800.327.2344
 Northeast: 1.800.947.4497
 West: 1.800.824.7503

CANADA 1.800.387.6823
 Quebec: 1.800.361.0486



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