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® Soffit Board consists of a noncombustible, dimensionally stable gypsum core. 5/8″ ToughRock® Fireguard® Type X Soffit Board is a UL Classified gypsum board and can be used in a variety of fire-rated wood and steel framed assemblies. The product is surfaced on both faces and long edges with tan-colored 100% recycled paper. The ends are square cut, smooth finished with no paper facing.

Primary Uses

5/8″ ToughRock Fireguard Type X Soffit Board may be used in multi-family residential, commercial, institutional or industrial buildings as exterior ceilings or soffits that are protected from direct exposure to water. These designs may include such constructions as ceilings in carports, garages, open porches, canopies and walkways.

Applicable Standards

ASTM C 931 and C 1396; CSA-A82.27-M; and Federal Specification SS-L-30D, Type III, Grade X, Class 1.

Building Code Conformity

The products conform to the requirements of major building codes.

Limitations

• Product should not be used as a nailing base to support heavy objects.

• It is not recommended for locations that are directly exposed to water. Suitable fascia, moulding and trim must be properly installed. At the jobsite, tarp or cover with plastic sheeting and be certain the roof is water-tight before installation begins.

• Maximum framing spacing for 5/8″ ToughRock Fireguard Type X Soffit Board is 24″ o.c. Perpendicular applications are preferred.

• Install control joints when any of the following conditions exist:
  a. The soffit or ceiling traverses an expansion, seismic or control element in the base building structure.
  b. The expanse of the ceiling or soffit exceeds 30′ in one or both directions.
  c. A control joint is incorporated as an architectural feature.

• Install ventilation devices according to local building code requirements.

• Suspended exterior soffit or ceiling systems must be rigidized, braced or attached to solid hanger rod to resist wind uplift. Refer to ASTM C 754 *Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.*

Technical

Where fire-resistive floor-ceiling or roof-ceiling design is required, 5/8″ ToughRock Fireguard Type X Soffit Board may be used in like designs provided that the substitution is based on the same thickness, type, number of layers and attachment details. Specific designs may be found in the UL or ULC Fire Resistance Directory; Fire Resistance Design Manual (GA-600), published by the Gypsum Association; and local building codes or alternate material approvals such as ICC-ES ESR-1338. Ceilings or soffits should be designed horizontally (flat) or may be inclined downward away from the building.

NOTE: Building codes may not allow 1/4″ clearance ventilation screens in fire-rated soffit designs; therefore, ventilation will require roof-ridge, power vents or other means of attic ventilation.

One of the most commonly specified fire-rated soffit designs for a 1-hour roof-ceiling construction under trusses spaced 24″ o.c. is detailed in the Fire Resistance Design Manual (GA-600), under GA File No. RC 2601. For additional information, also consult Georgia-Pacific Gypsum catalog and GA-216.

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 5/8″ ToughRock Fireguard Type X Soffit 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 outlined in Gypsum Association publications GA-216 and GA-801. Avoid impact, undue flexing and subsequent damage to board edges, ends and corners. Avoid scuffing the face to be finished. A Material Safety Data Sheet (MSDS) is available upon request.

Finishing

Joints and fastener heads may be finished in the normal way that ToughRock Gypsum Board is finished. However, experience has shown that setting type compounds such as ToughRock 90/45 Setting Compound are less sensitive to humidity and the finishing process can be completed in less time. Avoid finishing in cold or inclement weather. The installation of batten strips may be an acceptable alternative to joint finishing.

After the finishing process is complete, the exposed surface should be primed with one coat of a good quality exterior alkyd or oil-based primer-sealer. Apply a finish coat of exterior paint in accordance with the paint manufacturer's instructions.

Submittal Approvals

Job Name _____

Contractor _____

Date _____

Stamps/Signatures

Physical Properties

Properties[1]	5/8″ Toughrock® Fireguard® Type X Soffit Board	1/2″ Toughrock® Soffit Board
Thickness, nominal	5/8″ (15.9mm), ± 1/64″ (0.4mm)	1/2″ (12.7mm), ± 1/64″ (0.4mm)
Width, nominal	4′ (1220mm) ± 3/32″ (2.4mm)	4′ (1220mm) ± 3/32″ (2.4mm)
Length, standard	8′ (2440mm) and 12′ (3660mm) ± 1/4″ (6.4mm)	8′ (2440mm) and 12′ (3660mm) ± 1/4″ (6.4mm)
Weight, lbs./M sq. ft., nominal	2300	1800
Edges	Tapered	Tapered
Flexural strength, minimum Parallel, lbs. f. Perpendicular, lbs. f.	50 150	40 110
R value[2]	.56	.45
Nail pull resistance, lbs. minimum	90	80
Hardness, lbs. force core, edges and ends	$\geq$15	$\geq$15
Humidified Deflection, maximum	4/8″	7/8″
Packaging	Two pieces per bundle, face-to-face and end taped	Two pieces per bundle, face-to-face and end taped
Surface Burning Characteristics (per ASTM E 84 or CAN/ULC-S102) (The core is noncombustible when tested in accordance with ASTM E 136.)	Flame Spread 15 Smoke Developed 0 (Product qualifies for a Class A or Class 1)	Flame Spread 15 Smoke Developed 0 (Product qualifies for a Class A or Class 1)

[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 931 and C 1396. Special widths, lengths or edges 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

CAUTION: For product fire, safety and use information, go to gp.com/safetyinfo.

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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.