

CertainTeed

GlasRoc[®] BRAND

High Performance Exterior Sheathing

For Residential Applications



GlasRoc® Sheathing

BPB Joins CertainTeed

In December 2005, BPB joined CertainTeed in an acquisition by parent company, Saint-Gobain, creating the largest building materials manufacturer in the world.

CertainTeed Corporation has helped shape the building products industry for more than 100 years. Founded in 1904 as General Roofing Company, the firm made its slogan "Quality Made Certain, Satisfaction Guaranteed," which quickly inspired the name CertainTeed.

Today, CertainTeed is pleased to offer the GlasRoc® Brand of High Performance Sheathing.

GlasRoc® Sheathing
Residential Applications ▼

A High-Performance Exterior Sheathing* More Valuable Than Gold

The unique technology behind GlasRoc® Sheathing combines reinforcing glass mats, fully-embedded into a water-resistant gypsum core positioned beneath a paperless polymer-modified gypsum surface, and a protective acrylic coating on the exterior face. It is an enhanced version of the patented Glass Reinforced Gypsum Technology developed and used by CertainTeed for the past 20 years. An additional patent was awarded to CertainTeed in February, 2003.

GlasRoc® Brand Sheathing offers:

- Long term protection (6 months) to weather exposure.
- A superior water resistant surface that does not inhibit water vapor permeance.
- Excellent fire resistance properties, and numerous fire rated designs.
- Mold and mildew resistance.
- Compatibility with most exterior wall systems and applications.
- Conformity to design and code requirements.
- Strength – with enough flexibility to bend to curved surfaces.

- A lightweight sheathing that cuts like regular gypsum board and is easy to handle and install — with minimal skin irritation due to fully-embedded glass mats.

GlasRoc® Sheathing is the next generation of the industry standard for high-performance, weather-resistant, gypsum-based sheathing. To back it up, CertainTeed provides a:

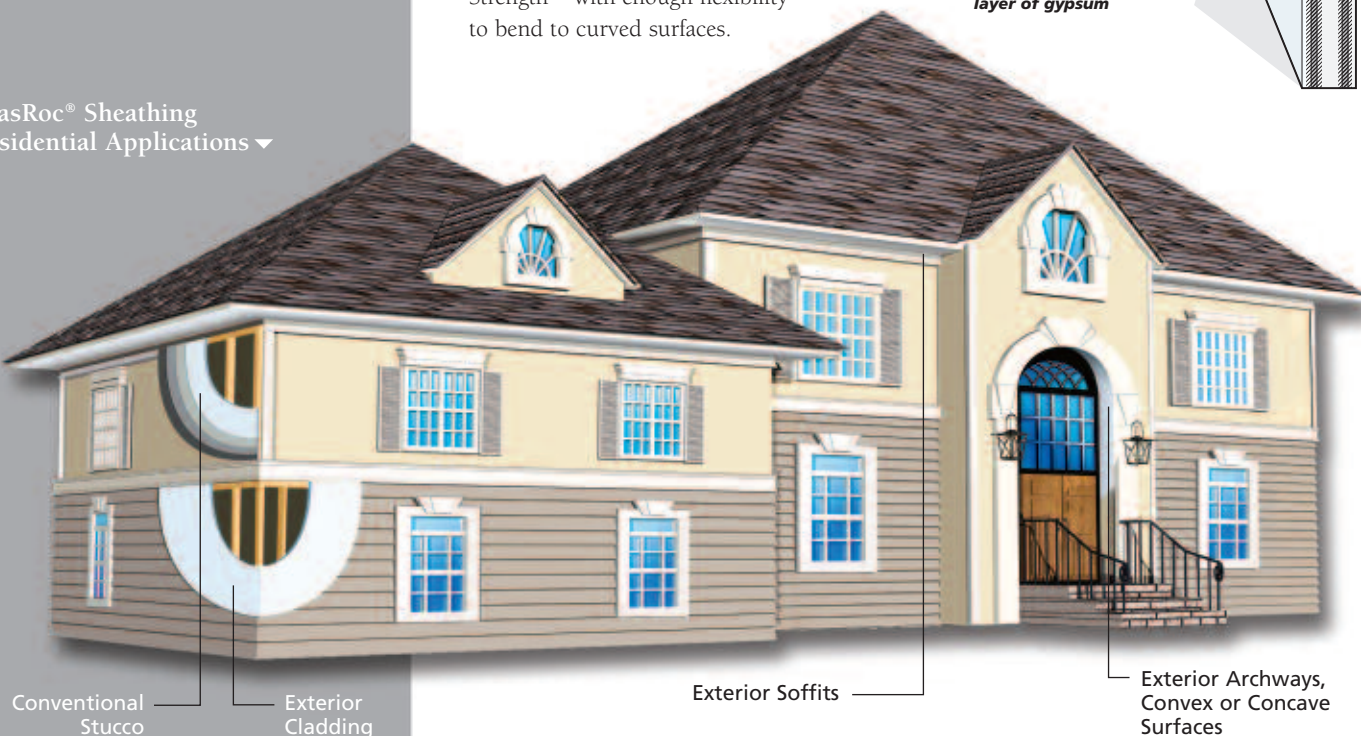
- 6 month limited warranty against exposure
- 5 year limited warranty assuring product performance
- 10 year substrate limited warranty in architecturally-specified EIF Systems

*So, relax – you've got the
protection of GlasRoc® Sheathing.*

**Acrylic coating bonded
to a polymer-modified
gypsum surface**

**Specially formulated
water resistant core**

**Reinforcing glass mats
fully embedded beneath
a polymer-modified
layer of gypsum**



NOTE: All drawings are for illustration purposes only.

Benefits

Dimensions

Thickness & Type

	Width	Length	Edge	Standard
1/2" (12.7 mm) GlasRoc® Sheathing	4'	8' *	Square	ASTM C 1177
5/8" (15.9 mm) GlasRoc® Sheathing Type X	4'	8' *	Square	ASTM C 1177

* Other lengths available. Ask your CertainTeed sales representative.

Better Physical Performance

Tested in accordance with ASTM C 1177, and applicable ASTM C 931 and C 79 tests, GlasRoc® Sheathing meets or exceeds all physical property requirements. Results showed improved physical performance compared to glass-faced gypsum sheathing including:

- Reduced humidified deflections
- Superior flexural strengths
- Excellent nail-pull resistance

Enhanced Dimensional Stability

GlasRoc® Sheathing will withstand normal exposure to UV, rain, wind, ice, and snow.

It is dimensionally stable under changes in temperature and relative humidity. To back it up, CertainTeed provides a 6 month exposure limited warranty.

Excellent Fire Protection

Testing in accordance with ASTM E 136 proved that GlasRoc® Sheathing, with its acrylic coating, is noncombustible and offers superior fire performance compared to paper-faced sheathings. It has a zero flame spread and zero smoke developed index when tested per ASTM E 84 (CAN/ULC-S102) for surface burning characteristics.

GlasRoc® Sheathing Type X is UL Classified for Fire Resistance for use in fire-rated designs. (UL Designation - Type EGRG).

Easy to Handle and Install

GlasRoc® Sheathing is handled and installed like regular paper-faced sheathing.

In addition, it:

- Can be scored and cut with a standard utility knife. No special tools required.
- Snaps free after scoring only one face.
- Attaches to framing with the same fasteners used for paper-faced gypsum. No special fasteners required.
- Is easier to handle because skin irritations are minimized due to the fully-embedded glass mats and our innovative acrylic coating.
- Has uniform field and edge hardness, making trimming & fastening quick and easy.

Long Term Protection to Weather Exposure

GlasRoc® Sheathing, with its homogenous water resistance throughout the board, offers superior freeze/thaw resistance. It will withstand exposure to UV, rain, wind, ice and snow. To back it up, CertainTeed provides a 6 month exposure limited warranty. GlasRoc® Sheathing provides enhanced surface liquid water resistance while allowing the building's vapor drive to be unimpeded.

Mold and Mildew Resistance

Because GlasRoc® Sheathing contains no starches, sugars, paper facing or pulp, it will resist mold and mildew growth. When tested in accordance with ASTM D 3273, GlasRoc® Sheathing exhibited no evidence of mold or fungal growth after a period of 28 days of exposure, yielding a rating of 10.



Increased Durability

GlasRoc® Sheathing resists delamination because the glass mats are fully-embedded into the panel, creating a more durable, dimensionally stable panel.

Standards and Code Compliance

GlasRoc® Sheathing conforms to ASTM C 1177, applicable ASTM C 931 and C 79 standards, and ICC ES NER-674. Installation standards, where applicable, are Gypsum Association Publication GA-253, GA-216 and ASTM C 1280 for gypsum sheathing and soffits.

- ICC-ES Legacy Report NER-674
- NYC MEA 312-03-M
- CCMC Evaluation Report #13095-R
- Florida Product Approval #FL3029

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Typical Physical Properties

High-Performance Sheathing Comparison

Properties	Products - 1/2" (12.7 mm)			Products - Fire-Rated 5/8" (15.9 mm)			Test Method/ Reference
	GlasRoc® Sheathing	Dens-Glass Gold® Sheathing	Fiberock® Aqua-Tough™ Sheathing	GlasRoc® Sheathing Type X	Dens-Glass Gold® Sheathing	Fiberock® Aqua-Tough™ Sheathing	

Physical Characteristics:

Nominal Width	48" (1219 mm)	48" (1219 mm)	48" (1219 mm)	48" (1219 mm)	48" (1219 mm)	48" (1219 mm)	-
Weight - Lbs/Square Foot (Kg/m²)	1.9 (9.3)	1.9 (9.3)	2.2 (10.7)	2.4 (11.7)	2.5 (12.2)	3.0 (14.6)	-
Standard Length	8' *	8', 9', 10'	8', 9', 10', 11', 12'	8' *	8', 9', 10'	8', 9', 10', 11', 12'	-
Face Surface	Acrylic/Gypsum	Glass Mat	Gypsum Fiber	Acrylic/Gypsum	Glass Mat	Gypsum Fiber	-

Pliability:

Bending Radius - Dry, Lengthwise, Feet (mm)	6 (1800)	6 (1800)	30 (9000)	8 (2400)	8 (2400)	30 (9000)	-
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Strength:

Racking Strength - Lbs/Lin.Ft. - (kN/m) Design Value	108 (1.58)	99 (1.44)	150 (2.19)	120 (1.75)	-	175 (2.55)	ASTM E 72 NER Reports
Parallel Flexural Strength - Lbs. (N)	100 (445)	80 (356)	124 (552)	135 (600)	100 (445)	189 (841)	ASTM C 473

Water Resistance:

Humidified Deflection (Sag) - Inches (mm)	1/16 (1.6)	2/8 (6)	-	1/64 (0.4)	1/8 (3)	-	ASTM C 473
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Water Vapor Transmission:

Permeance - perms (ng/Pa•s•m²)	26 (1500)	23 (1320)	35 (2030)	21 (1200)	17 (970)	28 (1620)	ASTM E 96
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Thermal Resistance:

"R" Value - sq.ft.•h•°F/Btu (K•m²/W)	0.51 (0.090)	0.56 (0.099)	0.5 (0.088)	0.51 (0.090)	0.67 (0.118)	0.6 (0.106)	ASTM C 518
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Fire Performance:

Flame Spread/ Smoke Developed	0/0	10/0	5/0	0/0	10/0	5/0	ASTM E 84 (CAN/ULC-S102)
Combustibility:	Noncombustible	Noncombustible	-	Noncombustible	Noncombustible	-	ASTM E 136

Dimensional Stability:

Thermal Coefficient of Linear Expansion - in./in.°F (mm/mm°C)	6.4 X 10 ⁻⁹ (11.5 X 10 ⁻⁹)	8.5 X 10 ⁻⁶ (15.3 X 10 ⁻⁶)	-	6.4 X 10 ⁻⁹ (11.5 X 10 ⁻⁹)	8.5 X 10 ⁻⁶ (15.3 X 10 ⁻⁶)	-	ASTM E 228
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Mold Resistance:

Mold Resistance Rating**	10**	10**	10**	10**	10**	10**	ASTM D 3273/D 3274
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* Other lengths available. Ask your CertainTeed sales representative.

** No mold growth detected. Note 10 is highest rating possible.

ASK ABOUT OUR OTHER CERTAINTeed PRODUCTS AND SYSTEMS:

EXTERIOR: ROOFING • SIDING • WINDOWS • FENCE • RAILING • TRIM • DECKING • FOUNDATIONS • PIPE
INTERIOR: INSULATION • WALLS • CEILINGS

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