

GREENGLASS®

a Temple-Inland product

Exterior Sheathing



**Performance Equal To The Highest Expectations.
Recycled Content That Sets A Whole New Standard.**

Strong glass-faced gypsum performance and unmatched green system contributions in one sheathing.

New GreenGlass® fiberglass-faced gypsum sheathing provides the mold and moisture resistance to

protect your next project from the elements and an unmatched level of recycled content to contribute green credits too. Developed for use in commercial and residential applications under a broad range of exterior veneers including brick, stone, metal, wood and vinyl as well as EIFS and curtainwall systems,



GreenGlass also adds structural strength, fire resistance and a warranty for up to 12 months of exposure in normal weather conditions*. It is available in 1/2" and 5/8" thicknesses, a 48" width and lengths of 8', 9', 10', and 12'. Plus, it's lighter and easier to handle than other glass-faced gypsum sheathings. GreenGlass is the glass mat-faced gypsum that offers the most benefits in your project's construction process and contributes the most value toward environmental certification.

Tough as expected. Green as it gets.

*for GreenGlass warranty details, visit our website.

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Tough as Expected. Green as it Gets.

GreenGlass® gypsum sheathing features an enhanced gypsum core sandwiched between naturally mold- and moisture-resistant fiberglass-mat facer. This provides excellent exposure durability for up to 12 months.* In addition, the unmatched recycled content of GreenGlass can contribute valuable credits to LEED and other green-building system certifications.

Mold and Moisture Resistance

GreenGlass is produced with the TemShield® Mold Protection System engineered into its gypsum core and is faced on both sides with naturally mold-resistant fiberglass mats. It scored a 10, the highest value possible, when tested in accordance with ASTM D3273, the standard test for mold resistance. Its water absorption of less than 10 percent was tested in accordance with ASTM C473.

Note: The ASTM D3273 lab test may not be applicable to the actual performance of building materials. No material may be labeled mold proof, and resistance to mold growth depends on many factors. Prolonged exposure to moisture may cause mold and mildew to grow on any surface. Therefore, in order to maximize the mold and mildew resistance of a material, it is essential that good design, handling and construction practices be implemented. This involves avoiding water exposure during all phases of storage, handling, shipping, installation and after installation is complete. See GA-238 for more information.

Weather Resistive Barrier

GreenGlass gypsum sheathing has been shown to resist water penetration when tested in accordance with ASTM E331. Install using rubberized asphalt tapes with a minimum 4" width (MFM Window Wrap, Fortiflash or Protectowrap) to seal all exposed joints and penetrations.

Note: Some local codes for water-resistive barriers require sealing of joints and fasteners with reinforced tape combined with a flexible joint treatment. Refer to your local building code, the weather-resistive barrier manufacturer's installation instructions, as well as project design specifications.

TYPICAL PROPERTIES		
	1/2"	5/8"***
Width	4'	4'
Lengths	8', 9', 10', 12'	8', 9', 10', 12'
Edge	Square	Square
Weight	1.70 lb./Sq. ft.	2.30 lb./Sq. ft.
Water Absorption ¹	< 10%	< 10%
Permeability ² (Perms)	> 27	> 22
Flame Spread ³	0	0
Smoke Developed ³	0	0
Humidified Deflection ¹	3/8" Max	1/8" Max
Flexural Strength ¹	80 / 100	100 / 140
Shear Values	536 lbs./Lft.	613 lbs./Lft.
Combustibility	Non	Non
Weather Resistive Barrier ⁴	Pass	Pass

***5/8" complies with UL designs and requirements for Type X products.

¹ ASTM C473; ² ASTM E96; ³ ASTM E84; ⁴ ASTM E331

Building Code Approval

GreenGlass gypsum sheathing is manufactured to comply with ASTM C1177 and appropriate sections of ASTM C1396. As such, it conforms to IRC R702.3 and IBC 2506.2. For the acceptance of gypsum sheathing as structural wall bracing, refer to IBC 2506.2 and IRC R602.10.3. Please consult your local building code.

Installation

GreenGlass should be installed in accordance with ASTM C1280, ASTM C840 and/or GA-253, GA-216.

Fire Resistance of 5/8" Type X Panels

GreenGlass fire-resistant gypsum sheathing has been tested in accordance with ASTM E119 and therefore may provide a fire-resistance rating of one or more hours, depending upon the assembly in which it is applied. Please visit our website for a listing of over 140 U.L.-approved assemblies and design details or contact your Temple-Inland representative for details.

Note: Because ASTM procedures require that fire tests be conducted on complete building assemblies/systems and not just on the gypsum board itself, the ability of any particular gypsum board to pass a specific ASTM fire test may well depend on factors other than the fire-resistance of the gypsum board being tested. These factors include the other components used to construct the building system being tested, the manner in which the system is constructed and the inherent variability of ASTM fire tests.

RECYCLED CONTENT CERTIFICATION

GreenGlass is SCS certified in accordance with ISO 14021 standards to have at least 90% recycled content on a dry-weight basis.

LEED-NC CONTRIBUTION

The use of GreenGlass can contribute toward credits in these two LEED-NC certification categories:

MR credit 4 - Recycled Content - awards 1 or 2 points for using products with recycled content that constitute at least 10% or 20%, based on cost, of the total value of project materials.

MR credit 5 - Locally Produced Materials - awards 1 or 2 points for using materials that are extracted and manufactured within 500 miles that constitute at least 10% or 20%, based on cost, of the total value of project materials.

CAUTION: GreenGlass contains glass fibers. See our website for more important details on handling to avoid contact and inhalation of these fibers.

***LIMITED WARRANTY:** Temple-Inland offers a 12-month weather-exposure warranty on GreenGlass fiberglass-faced gypsum sheathing subject to the terms, conditions and exclusions described on our website.



Certified to meet the CHPS performance standard for low-emitting materials.

Temple-Inland®

www.templeinland.com ▲ 800-231-6060