

# **GREENGLASS**® Interior Gypsum Board

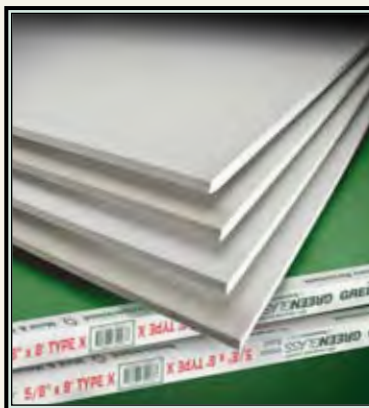
a TempleInland product



**A perfect 10 in mold protection.  
A record 90% in recycled content.**

**You do the math... top performance plus high green value equals 100% satisfaction.** By the numbers, GreenGlass® gypsum board can help you set a higher standard in designing comfortable, efficient environments – and building “green.”

Not only did GreenGlass score a perfect 10, the top value possible for mold protection, it's also made up of the highest level of recycled content out there... at least 90%. And that's where the real story is. GreenGlass is unmatched in the industry. It can contribute valuable credits to LEED and other green building standards and



*Tough as expected. Green as it gets.*

give you a serious advantage towards environmental certification. Whether your project is residential or commercial, GreenGlass is a flexible, cost-efficient material choice for the wall, ceiling and dimensional accents of a structure's working/living spaces, common areas, access passages and mechanical/storage rooms. Top ratings in mold and moisture resistance plus the highest recycled content available in a fiberglass-faced gypsum board... now that's what we call a perfect score.

**TempleInland**®

## Interior performance. Outstanding opportunities.

The demand for green building is growing...and it's here to stay. GreenGlass<sup>®</sup> delivers the perfect combination of mold protection and recycled content that'll satisfy the most demanding project requirements. Engineered with improved fiberglass encapsulation for a smoother surface and improved finishability over traditional glass mat gypsum boards, GreenGlass is also easier to handle and install. It provides the interior performance you expect – with green building benefits that'll surprise you.

### Mold and Moisture Resistance

GreenGlass is ideal for higher moisture areas where paper-faced board is not an option. Produced with the TemShield<sup>®</sup> Mold Protection System engineered into its gypsum core, GreenGlass 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.

TYPICAL PROPERTIES		
	1/2"	5/8"***
Width	48', 54'	48', 54'
Lengths	8', 10', 12'	8', 10', 12'
Edge	Tapered	Tapered
Water Absorption <sup>1</sup>	< 10%	< 10%
Product Standards	ASTM C1396, ASTM C1658	ASTM C1396, ASTM C1658
Application Standards	ASTM C840, GA 216	ASTM C840, GA 216
Flame Spread <sup>2</sup>	0	0
Smoke Developed <sup>2</sup>	0	0
Humidified Deflection <sup>1</sup>	3/8" Max	1/2" Max

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

<sup>1</sup> ASTM C473; <sup>2</sup> ASTM E84

**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 6-month limited warranty on GreenGlass fiberglass-faced gypsum board subject to the terms, conditions and exclusions described on our website.



### Fire Resistance of 5/8" Type X Panels

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

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.

#### NAHB GREEN BUILDING STANDARD

GreenGlass also contributes toward N.A.H.B. National Green Building Standard credits in the following certification category:

**NAHB 604.1(2) - Pre-Consumer Recycled Content** – specifies the use of recycled content products in major areas such as walls, floors, insulation and roofing.



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

**Temple-Inland**

www.templeinland.com ▲ 800-231-6060