



# **GYPSUMBOARD** Drywall Panels

*a Temple-Inland product*

**Greater performance. *Wider application.***

**Temple-Inland®**

## Supplying the product mix today's projects demand... and the service you deserve.

Architects, dealers, contractors and builders are facing unprecedented industry challenges. At Temple-Inland®, we're always up for a challenge. And considering we've been around for over 100 years, we've certainly had our share. Temple-Inland is a highly efficient manufacturing company focused on corrugated packaging and building products. We are the third largest producer of corrugated packaging in North America, producing 3.6 million tons of boxes annually, comprising approximately 12% of the market. In construction, we produce a tailored portfolio of building products and industrial panels – lumber, gypsum, particleboard, MDF and fiberboard. What does this mean for our customers? That they can count on us to be around for the long haul, and that we will continue to be the best by delivering superior and sustainable value.

### Growing to meet your needs

Today, we offer a wider variety of premium gypsum board products than ever before. We have developed a fiberglass-faced gypsum board line with high recycled content in support of green construction and certification. We continue to offer more and more products with our proprietary mold protection system integrated into their facers and core and will strive to develop new products that meet ongoing industry challenges.

### Ensuring quality all down the line

From our tried-and-true ½" regular gypsum panels to our fiberglass-faced gypsum family, Temple-Inland manufactures products in compliance with all appropriate industry standards to deliver quality performance job after job. Specialty performance properties such as mold and moisture resistance are third-party certified according to industry standard ASTM tests to establish benchmark compliance; Underwriter Laboratories has verified the fire-resistance characteristics of our Type X and TG-C board formulas; and our environmental claims have been certified by multiple third-party evaluations, all to give our customers confidence in specifying our products.

### Delivering solid service and support

Our commitment doesn't stop at the product line. Whether you are looking for advice about the best product for an application, need information about product availability, delivery and pricing or are interested in the closest dealer location, we offer exemplary technical and customer service to support you all down the line.

### Residential New Construction and Remodeling

Every year we supply a growing line of gypsum board products for the construction or remodeling of thousands of single- and multi-family homes.



### Commercial Construction

We also develop products that deliver the specialized performance properties critical to the challenging commercial construction industry.



## Expanding online resources and assistance

To help designers, specifiers and installers use our products with the utmost ease and effectiveness, we provide an expanding online resource library of U.L. assembly drawings, project profiles, detailed three-part CSI specifications as well as links to the Gypsum Association and the Sweets Network at sweets.com, the most comprehensive source of building product information online. In addition, for architects, designers and specifiers, we have architectural specialists for consultation on application issues, technical questions and more.

[www.temple-inland.com](http://www.temple-inland.com)

Whether the need is basic product properties, downloadable system assembly drawings, CSI specifications or more, our website is a growing information resource available anytime.



## Setting the standard for “green”

Temple-Inland gypsum board products are among the greenest in the industry. Certified to contain significant percentages of recycled materials, more than half of our current gypsum board production capacity is produced with recycled content materials. In fact, panels from two of our facilities are Scientific Certification Systems (SCS) certified in accordance with ISO 14021 standards to include a minimum of 90% recycled content. Specify Temple-Inland board in your next project with confidence, knowing it will deliver consistent performance and can contribute valuable credits in green-building rating systems such as LEED and the NAHB's National Green Building Standard. In addition, all of our gypsum board products are third-party certified to meet the performance standard established for low-emitting materials under the Collaborative for High Performance Schools (CHPS) program.



## Environmental partnerships turn byproducts into real products

Temple-Inland also has a unique association with the coal-fired electrical generation plant in Cumberland City, Tennessee. One of the byproducts of coal combustion is a material that can be chemically converted into calcium sulfite or gypsum. So, instead of mining and processing gypsum ore, we clean and repurpose its synthetic equivalent. In fact, this arrangement provides approximately 1.2 million tons of extremely fine, high-purity gypsum that supplies two of our manufacturing facilities completely. We have a reliable supply of high-quality gypsum, the power plant reduces emissions – and you have greener product choices.



### Ahead of the Curve in Green Building

Upon its launch into the marketplace, our family of GreenGlass® fiberglass-faced products raised the bar by setting a whole new industry standard for recycled content.

## Green Building System Contributions

- LEED MR Credit 4 - Recycled Content -**  
Awards points for using products with recycled content based on their percentage of the total value of project materials.
- LEED MR Credit 5 - Locally Produced -**  
Awards points for using materials produced within 500 miles based on their percentage of the total value of project materials.
- LEED for Schools Credit IEQ 4.6 - Indoor Environmental Quality -**  
Awards points for using gypsum board meeting the testing requirements of the California Department of Health Services standard for low-emitting materials.
- NAHB 604.1(2) - Recycled Content -**  
Specifies products with recycled content used in major areas like walls and floors, etc.



## Recycled Content Verification

All environmental claims for Temple-Inland gypsum board products are in accordance to strict ISO 14021 standards. Recycled content claims for our Cumberland City, Tennessee, and West Memphis, Arkansas, facilities are third-party verified by Scientific Certification Systems. Visit our website for details.



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

# **GYPSUMBOARD** Drywall Panels

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## **Increasing Application Performance & Efficiency**

Finding ways to make our products easier, faster and less costly to install makes them more appealing to everyone involved, from architects to builders, installers and, ultimately, project owners.



## **Manufacturing more performance**

As the construction landscape has evolved, so have our gypsum board product choices and properties. We've added more installation efficiencies, more fire resistance, more mold protection, more sound control, more durability and more "green value" – so you have more performance benefits at your disposal.

### **Ease of Installation**

Making installation easier, faster and less costly is important at Temple-Inland. Our products are specifically designed to streamline installation on any type of project. We offer products that provide wider and longer panel dimensions, eliminate unnecessary application and finishing steps, reduce labor and the need for special equipment.

### **Fire Resistance**

A large percentage of our gypsum products are available with a fire-resistant core. Specifying Temple-Inland Type X and premium Type C panels ensures that engineers and architects have an extensive library of U.L.- and GA-approved system assemblies to satisfy the vast majority of design challenges.

### **Mold and Moisture Protection**

Protection from mold and moisture has become increasingly important in the industry. In more and more products, we offer a mold-resistant facer and core as an option that incorporates the TemShield® mold protection system to deliver the highest level of mold and moisture resistance.

### **Sound Resistance**

More and more there is demand for a high level of sound protection on a variety of project types. Whether for schools, hotels, hospitals, offices, multi-family or single-family residential construction, Temple-Inland's sound-deadening gypsum board products offer the simplest design solution for unwanted noise, while still providing the fire resistance you expect from a Type X wallboard.

### **Abuse and Impact Resistance**

Temple-Inland's abuse- and impact-resistant gypsum board products provide an extra measure of toughness to ensure your high-traffic areas are more protected against surface damage and wall cavity penetration.

### **Structural Strength**

Our gypsum product line also includes panels that add structural strength to exterior walls and increase stiffness to reduce the potential for sagging ceilings.

### **High Green Value**

When it comes to contributing valuable credits to LEED and other green building standards, Temple-Inland gypsum board products can give you a serious advantage toward environmental certification.

### **Enhanced Mold & Moisture Resistance**

Combating the high cost of moisture and mold damage during and after construction is the primary reason we continue to add product offerings that include our TemShield mold protection system integrated into their facers and core.



## Featured products offer solid solutions



### **COMFORTGUARD** Sound-Deadening Gypsum Board

By simply applying ComfortGuard, you can create assemblies with impressive STC ratings ranging from 50-70.

- Sound Deadening
- Mold Protection
- Moisture Resistance
- Fire Resistance
- High Recycled Content



### **GREENGLASS** Exterior Sheathing

Provides the tough mold protection plus high recycled content that contributes credits to green building certifications.

- Mold Resistance
- Moisture Resistance
- High Recycled Content
- Fire Resistance
- Structural Strength



### **GREENGLASS** Tile Backer

Providing serious mold and moisture protection for a variety of commercial and residential applications. With the high recycled content you've come to expect from GreenGlass.

- Mold Resistance
- Moisture Resistance
- High Recycled Content
- Fire Resistance
- Code-Compliant Substrate



### **COMFORTGUARD AR & IR** Abuse- & Impact-Resistant Gypsum Board

Both are extra durable to guard against typical abuse. ComfortGuard IR also guards penetration from severe impacts.

- Damage Resistance
- Mold Resistance
- Moisture Resistance
- Fire Resistance
- High Recycled Content



### **GREENGLASS** Interior Gypsum Board

Flexible, cost-efficient choice for wall, ceiling and dimensional accents. Also ideal for high-moisture areas.

- Mold Resistance
- Moisture Resistance
- High Recycled Content
- Fire Resistance
- Installation prior to dry-in



### **GREENGLASS** Liner Panels

Designed for use in elevators, mechanical/electrical shafts, stairwells and area separation walls for any environment where protection is a priority.

- Mold Protection
- Moisture Resistance
- Noise Control
- High Recycled Content

# GYPSUMBOARD Drywall Panels

a Temple-Inland product

## Product Specifications

Temple-Inland manufactures a variety of quality gypsum board products for both residential and commercial applications. Available in a range of dimensions and with a choice of special performance properties, this is one of our fastest growing product lines.

To make it easier for you to compare, we have charted all of our gypsum board products according to their dimensions, edge profiles and federal specifications. They are separated into standard or fire-resistant categories and designated for indoor or outdoor use.

 Featuring TemShield® mold protection system



### Products for interior applications

These products represent a variety of traditional interior gypsum board applications including specialty uses for residential and commercial applications.



### Products for exterior applications

These products are designed for exterior application on single-family, multi-family and commercial structures.

## STANDARD INTERIOR GYPSUM BOARD

Manufactured per ASTM C1396

PRODUCT	PHYSICAL PROPERTIES				FEDERAL SPECIFICATION SS-L-30D		
	THICKNESS	WIDTH	LENGTH	EDGE	TYPE	GRADE	CLASS
48"-Wide Gypsum Board <i>Application Standard: ASTM C840, GA216</i>	1/4" & 3/8"	48"	8' to 16'	Tapered	III	R	1
	1/2"	48"	8' to 16'				
54"-Wide Gypsum Board <i>Application Standard: ASTM C840, GA216</i> <b>STRETCH 54®</b>	1/2"	54"	10' to 16'	Tapered	III	R	1
Water/Mold-Resistant Board <i>Application Standard: ASTM C840, GA216</i> <b>COMFORTGUARD™</b>	1/2"	48", 54"	8' to 12'	Tapered	III	W	-
Fiberglass-Faced Interior Board <i>Application Standard: ASTM C840, GA216</i> <b>GREENGLASS® INTERIOR BOARD</b>	1/2"	48"	8', 9', 10', 12'	Tapered	-	-	-
Fiberglass-Faced Tile Backer <i>Application Standard: ASTM C840, GA216</i> <b>GREENGLASS® TILE BACKER</b>	1/4" & 1/2"	48"	8', 10'	Square	-	-	-
Foil-Backed Board <i>Application Standard: ASTM C840, GA216</i>	1/2"	48"	8' to 12'	Tapered	III	R	1
Gypsum Base for Veneer Plaster <i>Application Standard: ASTM C844, GA151</i>	1/2"	48"	8' to 12'	Tapered	VI	R	1
Water-Resistant Gypsum Board <i>Application Standard: ASTM C840, GA216</i>	1/2"	48"	8' to 12'	Tapered	VII	W	2
Gypsum Ceiling Board <i>Application Standard: ASTM C840, GA216</i> <b>SPAN 24®</b>	1/2"	48"	8' to 12'	Tapered	III	R	1

## STANDARD EXTERIOR GYPSUM BOARD

Gypsum Sheathing Board <i>Application Standard: ASTM C1280, GA253</i>	1/2"	48"	8'	Square Edges	II	W	2
	1/2"	24"	8'	V-T&G Edges			
Fiberglass-Faced Gypsum Sheathing <i>Application Standard: ASTM C1280, ASTM C840, GA253, GA216</i> <b>GREENGLASS® SHEATHING</b>	1/2"	48"	8', 9', 10', 12'	Square	-	-	-
*Mold-Resistant Structural Sheathing <i>Application Standard: ASTM C1280, GA254</i> <b>STRUCTGUARD® TS</b>	1/2"	48"	8' to 12'	Square Edges	II	W	2
Gypsum Soffit Board <i>Application Standard: ASTM C840, GA216</i>	1/2"	48"	8' to 12'	Tapered	III	R	1

\*As manufactured per ASTM D3273

## FIRE-RESISTANT INTERIOR GYPSUM BOARD

Manufactured per ASTM C1396

PRODUCT	PHYSICAL PROPERTIES				FEDERAL SPECIFICATION SS-L-30D			CORE TYPE
	THICKNESS	WIDTH	LENGTH	EDGE	TYPE	GRADE	CLASS	
48"-Wide Gypsum Board <i>Application Standard: ASTM C840, GA216</i>	1/2"	48"	8' to 14'	Tapered	III	X	1	C
	5/8"	48"	8' to 14'	Tapered	III	X	1	X, C
54"-Wide Gypsum Board <i>Application Standard: ASTM C840, GA216</i> <b>STRETCH 54®</b>	1/2"	54"	10' to 14'	Tapered	III	X	1	C
	5/8"	54"	8' to 12'	Tapered	III	X	1	X, C
Fiberglass-Faced Interior Board <i>Application Standard: ASTM C840, GA216</i> <b>GREENGLASS® INTERIOR BOARD</b>	5/8"	48"	8', 9', 10', 12'	Tapered	-	-	-	X
Water/Mold-Resistant Board <i>Application Standard: ASTM C840, GA216</i> <b>COMFORTGUARD™</b>	5/8"	48", 54"	8' to 12'	Tapered	III	X	-	X
Water/Mold-Resistant Sound-Deadening <i>Application Standard: ASTM C840, GA216</i> <b>COMFORTGUARD® SOUND-DEADENING</b>	5/8"	48", 54"	8', 9', 10', 12'	Tapered	III	R	-	X
Foil-Backed Board <i>Application Standard: ASTM C840, GA216</i>	1/2"	48"	8' to 12'	Tapered	III	X	1	C
	5/8"	48"	8' to 12'	Tapered	III	X	1	X, C
Gypsum Base for Veneer Plaster <i>Application Standard: ASTM C844, GA151</i>	5/8"	48"	8' to 12'	Tapered	VI	X	1	X, C
Water-Resistant Gypsum Board <i>Application Standard: ASTM C840, GA216</i>	5/8"	48"	8' to 12'	Tapered	VII	X	2	X
Fiberglass-Faced Tile Backer <i>Application Standard: ASTM C840, GA216</i> <b>GREENGLASS® TILE BACKER</b>	5/8"	48"	8', 10'	Square	-	-	-	-
Fiberglass-Faced Shaftliner <b>GREENGLASS® LINER PANELS</b>	1"	24"	8', 9', 10', 12'	Double Beveled	-	-	-	X
Shaftliner <b>SILENTGUARD™</b>	1"	24"	8', 10', 12'	Double Beveled	IV	X	2	X
Water/Mold-Resistant Abuse Board <i>Application Standard: ASTM C840, GA214, GA2146</i> <b>COMFORTGUARD® AR</b>	5/8"	48"	8', 10', 12'	Tapered	III	X,W	-	X
Water/Mold-Resistant Impact Board <i>Application Standard: ASTM C840, GA214, GA2146</i> <b>COMFORTGUARD® IR</b>	5/8"	48"	8', 10', 12'	Tapered	III	X,W	-	X

## FIRE-RESISTANT EXTERIOR GYPSUM BOARD

Gypsum Sheathing Board <i>Application Standard: ASTM C1280, GA254</i>	5/8"	48"	8'	Square Edges	II	X	2	X
Fiberglass-Faced Gypsum Sheathing <i>Application Standard: ASTM C1280, ASTM C840, GA253, GA216</i> <b>GREENGLASS® SHEATHING</b>	5/8"	48"	8', 9', 10', 12'	Square	-	-	-	X
*Mold-Resistant Structural Sheathing <i>Application Standard: ASTM C1280, GA254</i> <b>STRUCTGUARD® TS</b>	5/8"	48"	8', 9', 10', 12'	Square Edges	II	W, X	2	X
Gypsum Soffit Board <i>Application Standard: ASTM C840, GA216</i>	5/8"	48"	8' to 12'	Tapered	III	X	1	X, C

\*As manufactured per ASTM D3273

Other widths, edges and lengths may be available on special order with established minimums and lead time. Some products may not be available in all markets. Please check with your local Temple-Inland sales representative.

## Storage

Gypsum boards should be carried, never dragged, to prevent damaging the finished edges. When storing gypsum boards, store them indoors and protect them from weather and direct sunlight. Boards should be stored lying flat and neatly stacked. Care should be taken to prevent sagging or damage to edges, ends and surfaces. Placing boards against framing is not recommended.

## Mold and Moisture Resistance

Temple-Inland mold- and moisture-resistant gypsum board products are composed of an enhanced mold- and moisture-resistant core sandwiched between mold- and moisture-resistant facers on both sides. Featuring the TemShield® Mold Protection System manufactured into the facers and the core, they provide a significant degree of mold resistance compared to untreated panels when tested as per ASTM D3273, the standard test of mold resistance. The resistance to water absorption has been tested per ASTM C473. See website for details.

## Fire-Resistant Type X and Type C Panels

Fire-resistant panels have been tested in accordance with ASTM E119 and may provide a fire-resistance rating of one or more hours. Because ASTM requires that fire tests be conducted on complete building assemblies/systems and not just on the board itself, the ability of any particular fire-resistant gypsum board product to pass a specific ASTM fire test may depend on factors other than the fire resistance of the gypsum board. 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. See website for details.

## U.S. Green Building Council Member

Temple-Inland is a proud member of the U.S. Green Building Council (USGBC), an organization committed to a prosperous and sustainable future for our nation through cost-efficient and energy-saving green building practices. The U.S. Green Building Council's LEED rating system is the preeminent program for the design, construction and operation of green buildings.



## Our Commitment

Temple-Inland has been a part of the construction industry for over 100 years. And more than that, we are excited about playing an active role in the next 100 years. Recognizing the challenges that face owners, architects, builders and installers as they design and build the structures that will define future work and leisure environments. Developing and producing the gypsum board products that will provide the performance solutions they need. Providing the service and support systems they need to complete their objectives successfully. Call us today and start the process.

**Temple-Inland®**

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