



# High Strength Family of Products

**National**   
**Gypsum<sup>®</sup>**

Exclusive service provider of  
Gold Bond Building Products, LLC

# Weights Less, Stays Strong

## Select the Right High Strength Product for Your Project

When you need a gypsum board that is lightweight yet substantial, the Gold Bond® High Strength family of products offer solutions to get the job done right.

Whether your project requires a lightweight board for a fire-rated assembly or a light ceiling board that provides a solid strength-to-weight ratio, you can count on our High Strength products to help you build better.

These specialty boards are easier to handle, sag-resistant, and encased in 100% recycled paper. Most products have a heavy, natural finish. They all feature GridMarX® guide marks, our preprinted fastening guide that allows for faster and more accurate installation, and have achieved GREENGUARD Gold Certification for indoor air quality.

### **GOLD BOND® HIGH STRENGTH LITE® GYPSUM BOARD**

- Can be used on walls and ceilings.
- Excellent sag resistance.
- 25% lighter than standard 1/2" gypsum board.

### **GOLD BOND® HIGH STRENGTH FIRE-SHIELD 60® GYPSUM BOARD**

- Approved component in specific UL-rated designs.
- Excellent working properties, including score and snap, reduced dust, and improved strength-to-weight ratio.
- 20% lighter than standard 5/8" (15.9 mm) Type X gypsum board, which results in easier handling.

### **GOLD BOND® HIGH STRENGTH FIRE-SHIELD 30® GYPSUM BOARD**

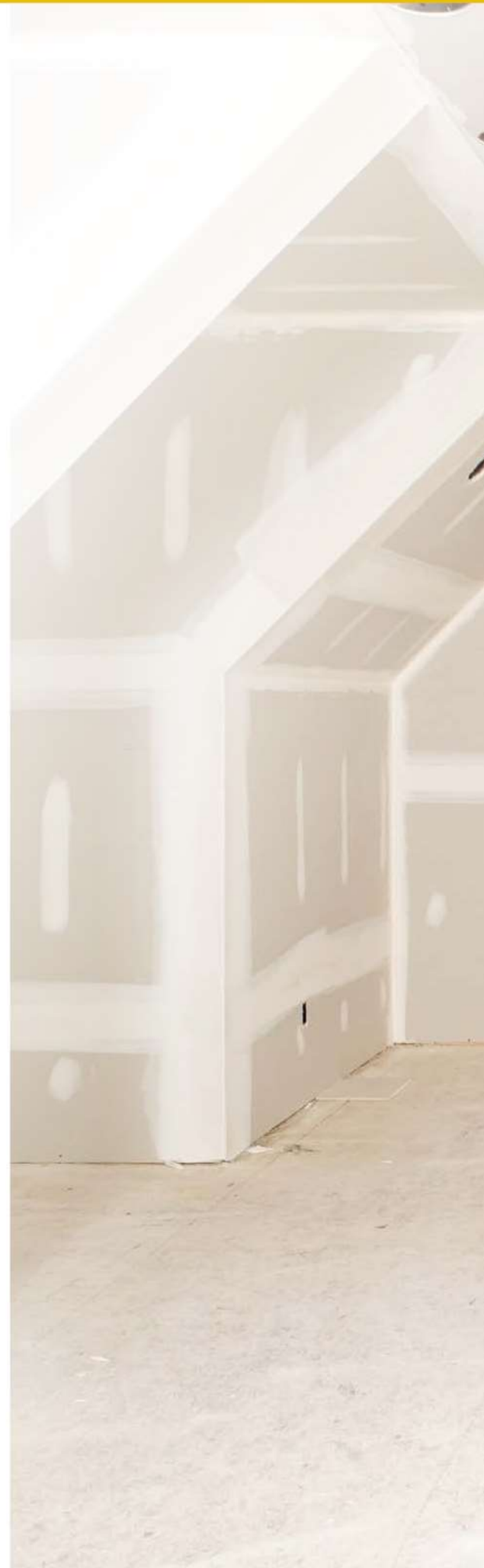
- For use in single-layer construction in 30-minute fire-rated or non-rated assemblies.
- 30% lighter than standard 5/8" (15.9 mm) Type X gypsum board, which results in easier handling.
- Features a fire-resistant non-Type X core and is UL Classified and approved for inclusion on specific UL fire-rated designs.
- Lighter weight results in easier handling.



#### **GRIDMARX®**

Our patented GridMarX installation guide marks have proven to reduce material costs and increase efficiency on the job site.

GridMarX guide marks are printed on the face paper surface to help installers instantly identify stud locations and make accurate cuts without having to pencil in or snap chalk lines.





**High Strength**  
**LITE**<sup>®</sup> Gypsum Board

# High Strength LITE®

## Specialty Gypsum Board Formulated to be 25% Lighter



1. 100% Recycled Paper
2. Tapered or Square Edge
3. Gypsum Core

Use it for interior, non-fire-rated wall and ceiling applications. Gold Bond® High Strength LITE® is 25% lighter in weight than standard 1/2" gypsum board. This gypsum board provides superior sag resistance.

### ADVANTAGES

#### INSTALLS FAST AND EASY

- 25% less weight is easier to handle.
- Scores and snaps easily.
- Edges are tapered, allowing joints to be reinforced.
- Features GridMarX® guide marks on the board to allow for faster and more accurate installation.

#### RESISTS SAGGING

- Sag resistance is equivalent to 5/8" (15.9 mm) Type X gypsum board.

#### OFFERS EXCELLENT WORKING PROPERTIES

- Achieves improved strength-to-weight ratio.
- Stays dimensionally stable under changes in temperature and relative humidity and resists warping, rippling, buckling and sagging.

#### PROVIDES FIRE RESISTANCE

- Features a fire-resistant, non-Type X core.



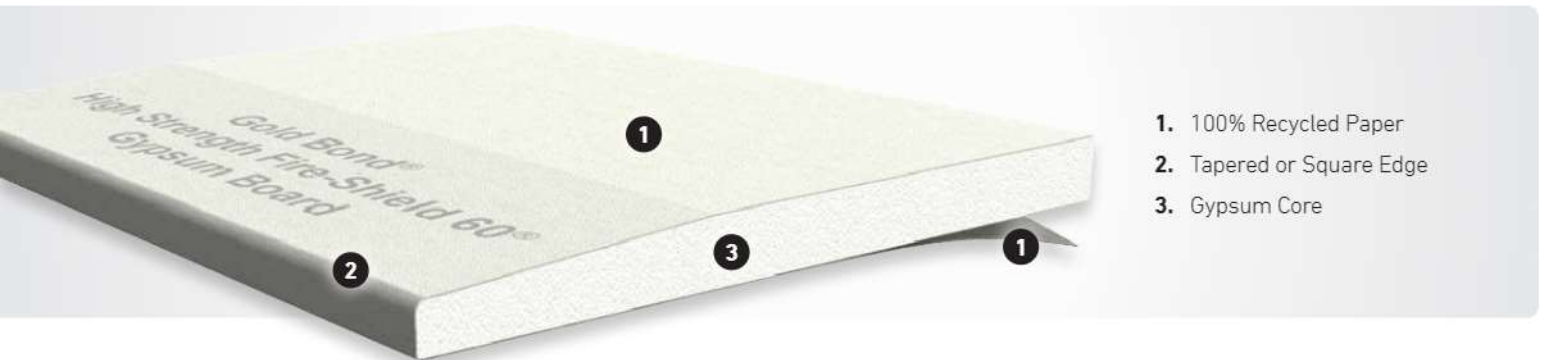
### TECHNICAL DATA

Physical Properties	High Strength LITE
Thickness <sup>1</sup> , Nominal	1/2" (12.7 mm)
Width <sup>1</sup> , Nominal	4' (1,219 mm), 54" (1,372 mm)
Length <sup>1,4</sup> , Standard	8' – 14' (2,438 mm – 4,267 mm) 12' – 14' (3,657 mm – 4,267 mm)
Weight, Nominal	1.3 – 1.4 lbs./sq. ft. (6.35-6.84 k/m <sup>2</sup> )
Edges <sup>1</sup>	Tapered or Square
Flexural Strength <sup>1</sup> , Perpendicular	≥ 107 lbf. (476 N)
Flexural Strength <sup>1</sup> , Parallel	≥ 36 lbf. (160 N)
Humidified Deflection <sup>1</sup>	≤ 10/8" (31.8 mm)
Nail Pull Resistance <sup>1</sup>	≥ 77 lbf. (343 N)
Hardness <sup>1</sup> – Core, Edges and Ends	≥ 11 lbf. (49 N)
Bending Radius	10' (3,048 mm)
Thermal Resistance <sup>5</sup>	R = .45
Product Standard Compliance	ASTM C1396
Fire-Resistance Characteristics	
Core Type	Regular
UL Type Designation	N/A
Combustibility <sup>2</sup>	Non-combustible Core
Surface Burning Characteristics <sup>3</sup>	Class A
Flame Spread <sup>3</sup>	15
Smoke Development <sup>3</sup>	0

Please refer to product submittal for Applicable Standards and References.

# High Strength Fire-Shield 60®

## 20% Lighter than Standard Type X Gypsum Board



1. 100% Recycled Paper
2. Tapered or Square Edge
3. Gypsum Core

Use it for interior, fire-rated wall and ceiling applications. Gold Bond® High Strength Fire-Shield 60® features a Type X fire-resistant core for use in laboratory tested, fire-rated assemblies. This gypsum board is 20% lighter in weight than standard Type X gypsum board.

### ADVANTAGES

#### PROVIDES FIRE RESISTANCE

- Classified and approved component in specific UL-rated designs.\*
- Features a fire-resistant, Type X core.

#### INSTALLS FAST AND EASY

- 20% less weight is easier to handle.
- Cuts easily for quick installation.
- Edges are tapered, allowing joints to be reinforced.

#### OFFERS EXCELLENT WORKING PROPERTIES

- Achieves improved strength-to-weight ratio.
- Stays dimensionally stable under changes in temperature and relative humidity and resists warping, rippling, buckling and sagging.
- Features GridMarX® guide marks on the board to allow for faster and more accurate installation.



### TECHNICAL DATA

Physical Properties	High Strength Fire-Shield 60
Thickness <sup>1</sup> , Nominal	5/8" (15.9 mm)
Width <sup>1</sup> , Nominal	4' (1,219 mm), 54" (1,372 mm)
Length <sup>1,4</sup> , Standard	8' - 12' (2,438 mm - 3,658 mm)
Weight, Nominal	1.7 lbs. / sq. ft. (9.28 k/m <sup>2</sup> )
Edges <sup>1</sup>	Tapered or Square
Flexural Strength <sup>1</sup> , Perpendicular	≥ 147 lbf. (654 N)
Flexural Strength <sup>1</sup> , Parallel	≥ 46 lbf. (205 N)
Humidified Deflection <sup>1</sup>	≤ 5/8" (15.9 mm)
Nail Pull Resistance <sup>1</sup>	≥ 87 lbf. (387 N)
Hardness <sup>1</sup> - Core, Edges and Ends	≥ 11 lbf. (49 N)
Bending Radius	15' (4,572 mm)
Thermal Resistance <sup>5</sup>	R = .56
Product Standard Compliance	ASTM C1396
Fire-Resistance Characteristics	
Core Type	Type X
UL Type Designation	FSLX
Combustibility <sup>2</sup>	Non-combustible Core
Surface Burning Characteristics <sup>3</sup>	Class A
Flame Spread <sup>2</sup>	15
Smoke Development <sup>3</sup>	0

\* UL Type FSLX requires the use of fiberglass insulation for single-layer, steel stud UL fire-rated wall assemblies.

Please refer to product submittal for Applicable Standards and References.

# High Strength Fire-Shield 30®

## 30% Lighter than Standard 5/8" Type X Gypsum Board



1. 100% Recycled Paper
2. Square or Tapered Edge
3. Gypsum Core

Use it for interior, 30-minute fire-rated and 1-hour fire-rated wall applications or non-rated ceiling applications. Gold Bond® High Strength Fire-Shield 30® has a fire-resistant, non-Type X gypsum core. This gypsum board is 30% lighter in weight than standard 5/8" (15.9 mm) Type X gypsum board.

### ADVANTAGES

#### PROVIDES FIRE RESISTANCE

- UL Classified and approved component in specific UL fire-rated design W411.
- Features a fire-resistant, non-Type X core.

#### INSTALLS FAST AND EASY

- 30% less weight is easier to handle.
- Scores and snaps easily.
- Edges are tapered, allowing joints to be reinforced.

#### OFFERS EXCELLENT WORKING PROPERTIES

- Achieves improved strength-to-weight ratio.
- Stays dimensionally stable under changes in temperature and relative humidity and resists warping, rippling, buckling and sagging.
- Features GridMarX® guide marks on the board to allow for faster and more accurate installation.



**NOTE:** This is a non-Type X product and is not a substitute for Type X gypsum board. The High Strength Fire-Shield 30 product is for single- or multi-layer gypsum board construction for approved 30-minute assemblies. The face of the board and the product end tapes are clearly labeled so the installer can identify this product for the appropriate application.

### TECHNICAL DATA

Physical Properties	High Strength Fire-Shield 30
Thickness <sup>1</sup> , Nominal	5/8" (15.9 mm)
Width <sup>1</sup> , Nominal	4' (1,219 mm), 54" (1,372 mm)
Length <sup>1,4</sup> , Standard	8' - 12' (2,438 mm - 3,658 mm)
Weight, Nominal	1.6-1.8 lbs./sq. ft. (7.81-8.79 k/m <sup>2</sup> )
Edges <sup>1</sup>	Tapered or Square
Flexural Strength <sup>1</sup> , Perpendicular	≥ 147 lbf. (654 N)
Flexural Strength <sup>1</sup> , Parallel	≥ 46 lbf. (205 N)
Humidified Deflection <sup>1</sup>	≤ 5/8" (15.9 mm)
Nail Pull Resistance <sup>1</sup>	≥ 87 lbf. (387 N)
Hardness <sup>1</sup> - Core, Edges and Ends	≥ 11 lbf. (49 N)
Bending Radius	15' (4,572 mm)
Thermal Resistance <sup>5</sup>	R = .56
Product Standard Compliance	ASTM C1396
Fire-Resistance Characteristics	
Core Type	Non-Type X
UL Type Designation	FSL30
Combustibility <sup>2</sup>	Non-combustible Core
Surface Burning Characteristics <sup>3</sup>	Class A
Flame Spread <sup>3</sup>	15
Smoke Development <sup>3</sup>	0

Please refer to product submittal for Applicable Standards and References.



# National Gypsum Company

National Gypsum Company is the exclusive service provider of reliable, high-performance building products manufactured by its affiliate companies and marketed under the Gold Bond®, ProForm®, and PermaBASE® brands. The strategic network of Gold Bond, ProForm, and PermaBASE manufacturing facilities located throughout major metropolitan hubs in North America allows us to provide the best in customer service so we can keep your fast-paced projects moving forward.

## SUSTAINABILITY

Our brands create products that contribute to sustainable design by providing healthy indoor air quality; moisture, mold and mildew management; durability; optimal acoustics; life safety and increased space functionality. No matter how you define sustainability, we offer the most comprehensive set of value-added solutions in the industry.

## TRUSTED PARTNER

The National Gypsum name has been synonymous with high-quality, innovative products and exceptional customer service since 1925. Our technical experts at 1-800-NATIONAL® are always a phone call away to answer any type of product or specification question.

We are Building Products for a Better Future® - one project at a time.

## LIMITED WARRANTY AND REMEDIES

Products manufactured by Gold Bond Building Products, LLC ("Seller") are warranted by Seller to its customers to be free from defects in materials and workmanship at the time of shipment. Additional or different express limited warranties, limitations and exclusions may apply to specific Seller products. **Current warranty information on such products for both commercial and residential applications is available at [goldbondbuilding.com](http://goldbondbuilding.com).** THIS EXPRESS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO SUCH PRODUCTS, AND IS IN LIEU OF AND EXCLUDES ALL OTHER EXPRESS ORAL OR WRITTEN WARRANTIES AND ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Seller will not be liable for any incidental, indirect or consequential losses, damages or expenses. The customer's exclusive remedy for any type of claim or action for defective products will be limited to the replacement of the products (in the form originally shipped) or, at Seller's option, to a payment or credit not greater than the original purchase price of the products.

Seller will not be liable for products claimed to be defective where the defect resulted from causes not within Sellers control, or which arose or occurred after shipment, including but not limited to accidents, misuse, mishandling, improper installation, contamination or adulteration by other materials or goods, or abnormal conditions of temperature, moisture, dirt or corrosive matter.

Any claim that products sold by Seller were defective or otherwise did not conform to the contract of sale is waived unless the customer submits it in writing to National Gypsum Services Company d/b/a National Gypsum Company, authorized sales agent and service provider to Seller, within thirty (30) days from the date the customer discovered or should have discovered the defect or non-conformance. No legal action or proceeding complaining of goods sold by Seller may be brought by the customer more than one year after the date the customer discovered or should have discovered the defect or problem of which it complains.

## Technical Information

Visit [goldbondbuilding.com](http://goldbondbuilding.com) or call National Gypsum Company Construction Services: 1-800-NATIONAL (628-4662).

**Technical Information** Información Técnica

**1-800-NATIONAL®**

1-800-628-4662

National Gypsum Company is the exclusive service provider for products manufactured by Gold Bond Building Products, LLC. The Gold Bond High Strength family of products is manufactured by Gold Bond Building Products, LLC.

## Customer Service

### Atlantic Area

(800) 237-9167

[atlanticareacsrs@nationalgypsum.com](mailto:atlanticareacsrs@nationalgypsum.com)

### Central Area

(800) 252-1065

[centralareacsrs@nationalgypsum.com](mailto:centralareacsrs@nationalgypsum.com)

### Gulf Area

(800) 343-4893

[gulfareacsrs@nationalgypsum.com](mailto:gulfareacsrs@nationalgypsum.com)

### Midwest Area

(800) 323-1447

[midwestareacsrs@nationalgypsum.com](mailto:midwestareacsrs@nationalgypsum.com)

### Northeast Area

(800) 253-3161

[northeastareacsrs@nationalgypsum.com](mailto:northeastareacsrs@nationalgypsum.com)

### Southeast Area

(800) 548-9394

[southeastareacsrs@nationalgypsum.com](mailto:southeastareacsrs@nationalgypsum.com)

### Southwest Area

(800) 548-9396

[southwestareacsrs@nationalgypsum.com](mailto:southwestareacsrs@nationalgypsum.com)

### Western Area

(800) 824-4227

[westernareacsrs@nationalgypsum.com](mailto:westernareacsrs@nationalgypsum.com)



**National**   
**Gypsum®**

Exclusive service provider of  
Gold Bond Building Products, LLC

**Gold Bond®**  
**Building Products**

Gold Bond Building Products, LLC  
2001 Rexford Road  
Charlotte, NC 28211

704.365.7300  
[goldbondbuilding.com](http://goldbondbuilding.com)