Gold Bond® BRAND

3/4" Ultra-Shield FS® Gypsum Board
Provides greater fire resistance.
Specially formulated core has added fire-resistant qualities and is UL Classified for fire resistance.

Speeds up installation.
Scores and snaps easily and cuts quickly, permitting painting or other decoration and the installation of metal or wood trim almost immediately.

Reduces costs.
Lessen labor and material costs by using fewer layers (up to 10%).

Streamline Your Project With 3/4" Ultra-Shield FS®
Save time, labor and material costs with Gold Bond® brand 3/4" Ultra-Shield FS® Gypsum Board. This efficient, UL-Classified gypsum board is ideal for reducing the number of layers in multi-layer, fire-rated wall partitions and cavity shaftwall assemblies. The increased board thickness provides greater resistance to fire and reduced sound transmission versus a single layer of 5/8" Type X Gypsum Board.

Specify 3/4" Ultra-Shield FS® Gypsum Board for 2- and 3-hour wall partitions and 2-hour cavity shaftwall assemblies that enclose elevators, stairways and other vertical shafts.

Fire-Rated Assembly Drawings

2-Hour Shaftwall Partition
1. 4" C-T or C-H studs 24 in. o.c.
2. 1" eXP® Shaftliner
3. 3" mineral wool insulation
4. 3/4" Ultra-Shield FS® Gypsum Board

2-Hour Partition
1. 3-5/8" steel studs 24 in. o.c.
2. 3/4" Ultra-Shield FS® Gypsum Board
3. 3" mineral wool insulation

3-Hour Partition
1. 3-5/8" steel studs 24 in. o.c.
2. Two layers of 3/4" Ultra-Shield FS® Gypsum Board
### Technical Overview

#### Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>3/4&quot; Ultra-Shield FS®</th>
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<tbody>
<tr>
<td>Thickness¹, Nominal</td>
<td>3/4&quot; (19.05 mm)</td>
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<tr>
<td>Width¹, Nominal</td>
<td>4' (1.219 mm)</td>
</tr>
<tr>
<td>Length¹, Standard</td>
<td>8' - 12' (2,438 - 3,658 mm)</td>
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<tr>
<td>Weight, Nominal</td>
<td>2.85 lbs./sq. ft. (13.91 kg/m²)</td>
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<tr>
<td>Edges¹</td>
<td>Tapered</td>
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<tr>
<td>Flexural Strength, perpendicular¹</td>
<td>≥ 167 lbf. (743 N)</td>
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<tr>
<td>Flexural Strength, parallel¹</td>
<td>≥ 56 lbf. (56 N)</td>
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<tr>
<td>Humidified Deflection¹</td>
<td>≤ 5/8&quot; (16 mm)</td>
</tr>
<tr>
<td>Nail Pull Resistance¹</td>
<td>≥ 97 lbf. (432 N)</td>
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<tr>
<td>Hardness core¹, edges and ends</td>
<td>≥ 11 lbf. (49 N)</td>
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<tr>
<td>Bending Radius</td>
<td>N/A</td>
</tr>
<tr>
<td>Thermal Resistance⁵</td>
<td>R = .64</td>
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<tr>
<td>Product Standard Compliance</td>
<td>ASTM C1396</td>
</tr>
</tbody>
</table>

#### Fire-Resistance Characteristics

- Core Type: UltraShield
- UL Type Designation: UltraShield
- Combustibility: Noncombustible Core
- Class A
- Flame Spread: 15
- Smoke Development: 0

#### Applicable Standards and References

- ASTM C840 Standard Specification for Application and Finishing of Gypsum Board
- ASTM C1396 Standard Specification for Gypsum Board
- Gypsum Association, GA-214, Recommended Levels of Finish for Gypsum Board, Glass Mat and Fiber-Reinforced Gypsum Panels
- Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products
- Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board
- National Gypsum Company, NGC Construction Guide

¹Specified minimum values per ASTM C1396, tested in accordance with ASTM C473.
²Tested in accordance with ASTM E136.
³Tested in accordance with ASTM E84.
⁴Special lengths may be available. Contact your local sales representative for more information.
⁵Tested in accordance with ASTM C518.

### About Gold Bond® Brand 3/4" Ultra-Shield® FS Gypsum Board

3/4" Ultra-Shield FS® Gypsum Board has a fire-resistant gypsum core encased in a heavy, natural-finish, 100% recycled paper on the face and back. The UltraShield core contains various aggregates, such as fiberglass, to enhance its fire-resistive qualities. 3/4" Ultra-Shield is a component in laboratory tested fire rated assemblies.

Reinforce the joints between 3/4" Ultra-Shield with ProForm® Brand Joint Tape and conceal with ProForm® Brand Ready Mix or ProForm® Brand Quick Set™ Setting Joint Compounds.

It is also available with added mold and moisture resistance (Gold Bond® Brand 3/4" Ultra-Shield FS® XP® Gypsum Board).
LIMITED WARRANTY AND REMEDIES

Products manufactured and sold by National Gypsum Company are warranted by National Gypsum Company to its customers to be free from defects in materials and workmanship at the time of shipment. 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.

National Gypsum Company 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 National Gypsum’s option, to a payment or credit not greater than the original purchase price of the products.

Mold And Mildew Resistance

Gold Bond® brand XP® Gypsum Board products with Sporgard™ were designed to provide extra protection against mold and mildew compared to standard wallboard products. When tested by an independent laboratory, XP Gypsum Board products with Sporgard received the highest possible ratings on ASTM G21 and D3273.

No material can be considered "mold proof," nor is it certain that any material will resist mold or mildew indefinitely. When used in conjunction with good design, handling and construction practices, XP Gypsum Board products can provide increased mold resistance versus standard wallboard products. As with any building material, avoiding water exposure during handling, storage and installation, and after installation is complete, is the best way to avoid the formation of mold or mildew.

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