Helping You Build Better

**With High-Quality Products And Resources**

Founded in 1925, National Gypsum is one of the world’s largest producers of quality building products. For nearly a century, customers like you have looked to us for the best products, service and technical support. With a focus on sustainability, we strive to bring you the finest in construction products, education and resources to meet and exceed your expectations.

**With Design That Considers The Environment**

Together, we can attain the highest level of ecological responsibility and resource-efficient technology. National Gypsum is committed to developing and implementing sustainable green building policies, standards and practices. Beyond offering products that can help contribute to healthier environments and have achieved GREENGUARD Certification for indoor air quality, we can help you meet the criteria for green programs and LEED credits.

**With Technical Support You Can Count On**

Great products are nothing without great customer service. For detailed technical information about wall and ceiling assemblies, product applications or code requirements, call 1-800-NATIONAL®. Talk directly to a technical expert with up-to-date knowledge of products, specifications, building codes and more. Our technical experts can even review your plans and drawings and get back to you with answers to your questions within 48 hours.
Gridstone® CleanRoom® Gypsum Ceiling Panels

Gridstone CleanRoom Gypsum Ceiling Panels are for use in systems designed for areas requiring high levels of air cleanliness for airborne particulate levels. The panels are sealed on the face and back with a 2-mil rigid vinyl laminate. The edges are factory sealed with a coating that encapsulates the exposed edges, providing a completely sealed panel.

**Applications**
- Gridstone CleanRoom panels are for use in systems designed for areas requiring high levels of air cleanliness for airborne particulate levels such as clean rooms and clean zones.
- Gridstone panels are accepted by the USDA for use in food service and food processing areas.
- For use in systems, Class 100,000, 10,000, 1,000 and 100 per Federal Standard 209E “Airborne Particulate Cleanliness Classes in Clean Rooms and Clean Zones.”

**Features/Benefits**
- Gridstone CleanRoom panel’s rigid gypsum core prevents sagging and warping problems.
- Common dirt and stains can be removed with mild soap and water.
- A non-combustible gypsum core assures fire safety with 1-1/2- and 2-hour fire rating achievable depending on installation.
- Gridstone Ceiling Panels have achieved GREENGUARD GOLD Certification.

**Installation**
- Gridstone CleanRoom panels should be installed in a gasketed grid system using hold-down clips. Recommended use of Gordon-DS-20 Gasket Seal System or equivalent gasket sealed grid systems designed for clean room applications. If panel cuts are required, exposed core should be sealed to maintain the performance of the system.

**Limitations**
- Do not install panels in areas exposed to extreme or continuous moisture.
- Overlaid insulation may cause excessive panel deflection and is not recommended where high humidity is likely to occur.

**PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Size: Nominal:</th>
<th>2’ x 2’ (610 mm x 610 mm)</th>
<th>2’ x 4’ (610 mm x 1219 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness:</td>
<td>1/2” Fire-Shield G</td>
<td>1/2” Fire-Shield G</td>
</tr>
<tr>
<td>Weight:</td>
<td>2.2 lbs./sq. ft.</td>
<td>2.2 lbs./sq. ft.</td>
</tr>
<tr>
<td>Design:</td>
<td>UL G222</td>
<td>UL G259</td>
</tr>
<tr>
<td>UL Core Designation:</td>
<td>FSW-G</td>
<td>FSW-G</td>
</tr>
<tr>
<td>Rating:</td>
<td>2 Hour</td>
<td>1-1/2 Hour</td>
</tr>
</tbody>
</table>

**Surface Burning Characteristics: (Per ASTM E84)**
- Flame Spread: 5
- Smoke Developed: 0
- Class: A

**Sound Attenuation: (Per ASTM E1414)**
- Ceiling Attenuation, Class (CAC)-46 dB, NGC Report #6098001

**Light Reflectance: LR 1 (75% or greater)**

**APPLICABLE STANDARDS AND REFERENCES**
- ASTM C1396, Type X Class 1
- ASTM E1264, Type XX, Patterns E, G

**PACKAGING**

<table>
<thead>
<tr>
<th>Size</th>
<th>Type</th>
<th>Pcs./Bundle</th>
<th>Sq. Ft.</th>
<th>Bundles/Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>2’ x 2’</td>
<td>GB5040</td>
<td>4</td>
<td>16</td>
<td>80</td>
</tr>
<tr>
<td>2’ x 4’</td>
<td>GB5030</td>
<td>4</td>
<td>32</td>
<td>40</td>
</tr>
</tbody>
</table>

The double-banded bundles, long corner protectors and stretch wrap ensure quality on arrival.
Gridstone Hi-Strength Gypsum Ceiling Panels combine a USDA-accepted white stipple texture with the durability of a 2-mil rigid vinyl laminate. The 5/16" Hi-Strength gypsum core is formulated with increased uniformity and integrity, which increases its sag resistance.

**Applications**
- Gridstone panels can be used for interior and exterior ceiling applications in protected, well-ventilated spaces that receive intermittent exposure to moisture.
- Gridstone panels are accepted by the USDA for use in food service and food processing areas.
- Gridstone panels are ideal for interior and unexposed exterior ceiling applications such as soffits, parking garages and other non-fire rated ceiling systems.

**Features/Benefits**
- Lightweight. Gridstone 5/16" Hi-Strength panels are 40% lighter in weight than standard gypsum ceiling panels.
- Installation is quick and easy. 5/16" panels score and snap clean and easily drop into exposed grid systems, requiring less labor to install.
- Common dirt and stains can be removed with mild soap and water.
- More square footage per bundle means less stocking time required.
- Pre-decorated. The sturdy white vinyl laminate eliminates additional finishing.
- Gridstone Ceiling Panels have achieved GREENGUARD GOLD Certification.

**Limitations**
- Gridstone 5/16" Hi-Strength panels have not been tested in fire rated systems and should not be specified for applications that have such requirements.
- Do not install panels in areas exposed to extreme or continuous moisture.
- Overlaid insulation may cause excessive panel deflection and is not recommended where high humidity is likely to occur.

**PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Size: Nominal</th>
<th>Size: Actual</th>
<th>Thickness</th>
<th>Weight</th>
<th>Surface Burning Characteristics: (Per ASTM E84)</th>
<th>Sound Attenuation: (Per ASTM E1414)</th>
<th>Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2' x 2' (610 mm x 610 mm)</td>
<td>23-3/4&quot; x 23-3/4&quot;</td>
<td>5/16&quot;</td>
<td>1.24 lbs./sq. ft.</td>
<td>Flame Spread: 5 Smoke Developed: 0 Class: A Ceiling Attenuation, Class (CAC)-41 dB, NGC Report #6098001 LR 1 (75% or greater)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2' x 4' (610 mm x 1219 mm)</td>
<td>23-3/4&quot; x 47-3/4&quot;</td>
<td>5/16&quot;</td>
<td>1.24 lbs./sq. ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**APPLICABLE STANDARDS AND REFERENCES**
- ASTM C960/C1396
- ASTM C36/C1396
- ASTM E1264, Patterns E, G

**PACKAGING**

<table>
<thead>
<tr>
<th>Size</th>
<th>GB5010</th>
<th>pscs/bundle</th>
<th>sq. ft.</th>
<th>bundles/unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>2' x 2'</td>
<td>6</td>
<td>24</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>2' x 4'</td>
<td>6</td>
<td>48</td>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>

The double-banded bundles, long corner protectors and stretch wrap ensure quality on arrival.
For superior quality and performance, Gridstone ceiling panels combine a USDA-accepted white stipple texture with the durability of a 2-mil rigid vinyl laminate. Featuring high light reflectance and impact resistance, Gridstone 1/2" thick panels set the standard for appearance and safety.

**Applications**
- Gridstone panels are ideal for interior and unexposed exterior ceiling applications such as soffits, parking garages, kitchens and baths
- Gridstone panels are accepted by the USDA for use in food service and food processing areas.

**Features/Benefits**
- Gridstone’s rigid gypsum core prevents sagging and warping problems generally experienced with conventional ceiling panels.
- A non-combustible gypsum core ensures fire safety with 1-1/2- and 2-hour fire ratings achievable depending on the fire-rated assembly.
- Installation is quick and easy. Panels drop in place on standard 15/16" exposed grid systems with tee grids either 2’ x 2’ or 2’ x 4’.
- Common dirt and stains can be removed with mild soap and water.
- As little as one inch of material can be cut from Gridstone panels with practically none of the crumbling common with mineral fiber panels. Just score and snap.
- Pre-decorated, the sturdy white vinyl laminate eliminates additional finishing.
- Gridstone Ceiling Panels have achieved GREenguard Gold Certification.

**Limitations**
- Gridstone Ceiling Panels are not recommended for use in areas exposed to extreme or continuous moisture such as found in saunas, steam rooms or swimming pool enclosures.
- Overlaid insulation may cause excessive panel deflection and is not recommended where high humidity is likely to occur.

### PHYSICAL PROPERTIES

| Size: Nominal | 2’ x 2’ (610 mm x 610 mm) | 2’ x 4’ (610 mm x 1219 mm) |
| Thickness: | 1/2” Fire-Shield G | 1/2” Fire-Shield G |
| Weight: | 2.18 lbs./sq. ft. | 2.18 lbs./sq. ft. |
| Design: | UL G222 | UL G259 |
| UL Core Designation: | FSW-G | FSW-G |
| Rating: | 2 Hour | 1-1/2 Hour |
| Surface Burning Characteristics: (Per ASTM E84) | Flame Spread: 5 Smoke Developed: 0 Class: A |
| Sound Attenuation: (Per ASTM E1414) Ceiling Attenuation, Class (CAC)-46 dB, NGC Report #6098001 |
| Light Reflectance: | LR 1 (75% or greater) |

### APPLICABLE STANDARDS AND REFERENCES
- ASTM C1396, Type X Class 1
- ASTM E1264, Type XX, Patterns E, G

### PACKAGING

| 2’ x 2’ | GB5044 | 4 pcs./bundle | 16 sq. ft. | 80 bundles/unit |
| 2’ x 4’ | GB5045 | 4 pcs./bundle | 32 sq. ft. | 40 bundles/unit |

The double-banded bundles, long corner protectors and stretch wrap ensure quality on arrival.
**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.

**CUSTOMER SERVICE SALES AREAS**

- **Atlantic Area**
  - Phone: (800) 237-9167
  - Fax: (877) 252-0430

- **Central Area**
  - Phone: (800) 252-1065
  - Fax: (866) 232-0440

- **Gulf Area**
  - Phone: (800) 343-4893
  - Fax: (866) 482-8940

- **Midwest Area**
  - Phone: (800) 323-1447
  - Fax: (866) 692-8590

- **Northeast Area**
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  - Fax: (866) 632-1480

- **Southeast Area**
  - Phone: (800) 548-9394
  - Fax: (866) 732-1990

- **Southwest Area**
  - Phone: (800) 548-9396
  - Fax: (866) 792-7520

- **Western Area**
  - Phone: (800) 824-4227
  - Fax: (866) 438-6266

- **National Accounts**
  - Phone: (800) 440-1230
  - Fax: (866) 622-3590

- **Manufactured Housing**
  - Phone: (800) 455-3185
  - Fax: (800) 639-1714

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- Fax: (800) FAX-NGC1
  - (800) 329-6421

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**Gold Bond®**

Gypsum Board

**Mold And Mildew Resistance**

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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.

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