USG SHEETROCK® BRAND
ECOSMART PANELS
FIRECODE 30®

Sustainable and ultralightweight 5/8 in. (15.9 mm) panels for interior wall and ceiling applications
• Meet Architecture 2030 Challenge for Products
  — Up to 27% less global warming potential (GWP)
  — Up to 28% less water used in the manufacturing process
  — Up to 30% less weight reduces transportation fuel energy by up to 20%
• Living Building Challenge™ Red List Free
• Contains 100% USDA certified biobased content
• Up to 97.3% recycled content (regionally available)
• Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)
• USGBC® LEED® v4—may assist in achieving additional credits
• Underwriters Laboratories Inc. (UL) Classification as to fire resistance (30-minute and 1-hour fire-rated walls), surface-burning characteristics and noncombustibility
• Comply with ASTM C1396, Standard Specification for Gypsum Board, for 5/8 in. (15.9 mm) and non-Type X gypsum wallboard
• Offer comparable strength and sag resistance to standard 5/8 in. (15.9 mm) Type X

Note:
1. Compared to standard 5/8 in. (15.9 mm) Type X gypsum panels as presented in the Gypsum Association’s 5/8 in. (15.9 mm) Type X Environmental Product Declaration (FPI/GA/01/2014) with fresh water usage updated to be in accordance with ISO 14046.

USG Sheetrock® Brand EcoSmart Panels Firecode 30® (UL Type FC30) represent a revolution in wallboard manufacturing, reducing the use of natural resources and impact on the environment. These lightweight 5/8 in. (15.9 mm) gypsum panels have been formulated to achieve all of the same strength and physical performance characteristics as standard 5/8 in. (15.9 mm) USG Sheetrock® Brand Firecode® X Panels at a lower environmental impact and reduced weight. They feature an innovative noncombustible gypsum core that is encased in 100% recycled face and back papers that form a high strength-to-weight ratio composite design. The face paper is folded around the long edges to reinforce and protect the core, and the ends are cut square and even. The long edges of panels are tapered, allowing joints to be reinforced and concealed with USG Sheetrock® Brand joint treatment systems. The panels are UL Classified for fire resistance and can be used in any UL Design in which Type FC30 panels are listed. On the face along the long edge of each panel, the UL Type Designation is printed for easy identification by building inspectors.

INTENDED FOR
• Commercial or residential applications where 5/8 in. (15.9 mm) Type X panels are not required for steel- or wood-framed wall and ceiling assemblies
• New or repair and remodel construction
• Single-layer wood- or steel-framed 30-minute fire-rated wall assemblies
• Double-layer steel-framed 1-hour fire-rated wall assemblies

LIMITATIONS
1. Avoid exposure to sustained temperatures exceeding 125°F (52°C).
2. Avoid exposure to excessive, repetitive or continuous moisture before, during and after installation. Eliminate sources of moisture immediately.
3. Not an ASTM C1396-defined Type X panel.
4. Must be stored off the ground and under cover in accordance with Gypsum Association’s GA-801, Handling and Storage of Gypsum Panel Products.
For maximum framing spacing in non-fire-resistance-rated applications of gypsum panel products, refer to Gypsum Association's GA-216, Specifications for the Application and Finishing of Gypsum Panel Products or ASTM C840, Standard Specification for Application and Finishing of Gypsum Board. For fire-resistance-rated applications, refer to the published UL Design or GA File Number.

### Maximum Framing Spacing for Single-Layer Application

<table>
<thead>
<tr>
<th>Location</th>
<th>Gypsum Panel Thickness</th>
<th>Gypsum Panel Orientation to Framing</th>
<th>Maximum Framing Spacing OC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceilings</td>
<td>5/8 in. (15.9 mm)</td>
<td>Parallel</td>
<td>16 in. (406 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perpendicular</td>
<td>24 in. (610 mm)</td>
</tr>
<tr>
<td>Walls</td>
<td>5/8 in. (15.9 mm)</td>
<td>Parallel</td>
<td>24 in. (610 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perpendicular</td>
<td>24 in. (610 mm)</td>
</tr>
</tbody>
</table>

### Maximum Framing Spacing for Multi-Layer Application Without Adhesive Between Layers

<table>
<thead>
<tr>
<th>Location</th>
<th>Gypsum Panel Thickness</th>
<th>Gypsum Panel Orientation to Framing</th>
<th>Maximum Framing Spacing OC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceilings</td>
<td>5/8 in. (15.9 mm)</td>
<td>Parallel</td>
<td>16 in. (406 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perpendicular</td>
<td>24 in. (610 mm)</td>
</tr>
<tr>
<td>Walls</td>
<td>5/8 in. (15.9 mm)</td>
<td>Parallel</td>
<td>24 in. (610 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perpendicular</td>
<td>24 in. (610 mm)</td>
</tr>
</tbody>
</table>

**Note:**
2. On ceilings to receive water-based texture material, 5/8 in. (15.9 mm) gypsum board shall be applied either parallel to framing spaced at 16 in. (406 mm) OC or perpendicular to framing spaced maximum 24 in. (610 mm) OC. See Appendix A.3 of Gypsum Association's GA-216, Specifications for the Application and Finishing of Gypsum Panel Products for more information.

For high-quality finishing results, USG recommends USG Sheetrock® Brand finishing products.

Painting products and systems should be used that comply with recommendations and requirements in Appendices of ASTM C840. For priming and decorating with paint, texture or wall covering, follow manufacturer's directions for materials used. Gypsum Association's GA-214, Recommended Levels of Finish for Gypsum Board, Glass Mat and Fiber-Reinforced Gypsum Panels should be referred to in order to determine the level of finishing needed to ensure a surface properly prepared to accept the final decoration.

All surfaces, including applied joint compound, must be thoroughly dry, dust-free and not glossy. Prime with USG Sheetrock® Brand First Coat™ Primer or with an undiluted, interior latex flat paint with high-solids content. Allow to dry before decorating.

To improve fastener concealment where gypsum panel walls and ceilings will be subjected to critical artificial or natural lighting, or will be decorated with a gloss paint (eggshell, semigloss or gloss), the gypsum panel should be skim coated with joint compound. This equalizes suction and texture differences between the drywall face paper and the finished joint compound before painting. When a Level 5 finish is required, use USG Sheetrock® Brand Tuff-Hide™ Primer-Surfacer. See USG Sheetrock® Brand Tuff-Hide™ Primer-Surfacer Submittal Sheet (J1613) for limitations and application instructions.

For more information, refer to USG literature Finishing & Decorating Gypsum Panels White Paper (J2010).
SAFETY FIRST!
Follow good safety and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read Safety Data Sheets and related literature on products before specification and/or installation.

NOTE:
1. Per ASTM C1396 for 5/8 in. (15.9 mm) gypsum wallboard.
2. The trademarks USG, FIRECODE, FIRECODE 30, FIRST COAT, SHEETROCK, TUFF-HIDE, IT’S YOUR WORLD, BUILD IT, the USG logo, the design elements and colors, and related marks are trademarks of USG Corporation or its affiliates. The trademarks IBC and INTERNATIONAL BUILDING CODE are trademarks of International Code Council, Inc. The trademarks LEED and USGBC are trademarks of U.S. Green Building Council. The trademark ARCHITECTURE 2030 is a trademark of Architecture 2030 Corporation. The trademarks DECLARE and LIVING BUILDING CHALLENGE are trademarks of INTERNATIONAL LIVING FUTURE INSTITUTE. USDA BIOPREFERRED is a trademark of United States Department of Agriculture.
3. Per ASTM C1396 for 5/8 in. (15.9 mm) gypsum wallboard.
4. Other sizes available by special order. Check with your local USG representative for availability.
5. Represents approximate weight for design and shipping purposes. For specific product weight in your area, contact your local USG representative or call the Customer Service Center at 800 950-3839.

PRODUCT DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>ASTM Test Method</th>
<th>Requirement</th>
<th>UL Type FC30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>5/8 in. (15.9 mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lengths¹</td>
<td>8-16 ft. (2438-4877 mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>4 ft. (1219 mm), 54 in. (1372 mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight¹, nominal</td>
<td>1.7 lb./sq. ft. (8.3 kg/sq. m.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Edges</td>
<td>Tapered</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Packaging</td>
<td>Two panels per bundle</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. Other sizes available by special order. Check with your local USG representative for availability.
2. Represents approximate weight for design and shipping purposes. For specific product weight in your area, contact your local USG representative or call the Customer Service Center at 800 950-3839.

COMPLIANCE
• Comply with ASTM C1396 for 5/8 in. (15.9 mm) and non-Type X gypsum wallboard
• Classified as a Class A Interior Finish Material per Section 803.1 of the International Building Code® (IBC®)
• UL Classification as to fire resistance (30-minute and 1-hour fire-rated walls), surface-burning characteristics and noncombustibility
• Meet Architecture 2030 Challenge Criteria for Products
• Living Building Challenge™ Red List Free
• USDA Certified Biobased Product
• Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)

SUBMITTAL APPROVALS

<table>
<thead>
<tr>
<th>Job Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contractor</td>
</tr>
</tbody>
</table>

800 USG.4YOU
800 (874-4968)
usg.com

Manufactured by
United States Gypsum Company
550 West Adams Street
Chicago, IL 60661

WB2858-USA-ENGrev. 3-20 © 2020 USG Corporation and/or its affiliates. All rights reserved. Printed in U.S.A.