USG SHEETROCK® BRAND
ECOSMART PANELS
FIRECODE® X

Sustainable and ultralightweight 5/8 in. (15.9 mm) enhanced proprietary Type X panels for
interior wall and ceiling applications

- Meet Architecture 2030 Challenge for Products
  -- Up to 25% less global warming potential (GWP)\(^1\)
  -- Up to 25% less water used in the manufacturing process\(^1\)
  -- Up to 22% less weight reduces transportation fuel energy by up to 20%\(^1\)
- Living Building Challenge™ Red List Free
- Contains 100% USDA certified biobased content
- Up to 94.6% recycled content (regionally available)
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material
  (meets CA 01350)
- USGBC\(^{\circledast}\) LEED\(^{\circledast}\) v4—may assist in achieving additional credits
- Underwriters Laboratories Inc. (UL) Classification as to fire resistance, surface-burning
  characteristics and noncombustibility
- Comply with ASTM C1396, Standard Specification for Gypsum Board, for 5/8 in. (15.9 mm) and
  Type X gypsum wallboard
- Offer comparable sound, strength and sag resistance to standard 5/8 in. (15.9 mm) Type X
- Listed by UL in the most widely specified wall, column, floor-ceiling and roof-ceiling assemblies
  (refer to specific UL Designs for complete details)

**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® X (UL Type ULIX\(^{\text{™}}\)) 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) enhanced proprietary Type X gypsum panels have been
formulated to achieve all of the same strength and 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 the 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 UltraLight Innovation Type X (ULIX\(^{™}\)) 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.

**DESCRIPTION**

**INTENDED FOR**

- Commercial or residential applications where 5/8 in. (15.9 mm) Type X or enhanced proprietary
  Type X panels are required
- New or repair and remodel construction
- Load-bearing and nonload-bearing wood- or steel-framed fire-rated walls and ceilings
- Wall, column, floor-ceiling and roof-ceiling assemblies (refer to specific UL Designs for
  complete details)
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. UL Type ULIX™ panels require the use of insulation for one-hour single-layer, steel-framed fire-rated wall assemblies.
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*.


### 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(^1)</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>
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</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
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</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 installation.

PRODUCT INFORMATION
See usg.com for the most up-to-date product information.

GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

CAUTION
Dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Cut and trim with a utility knife or hand saw to minimize dust levels. Power tools must be equipped with a dust collection system. Wear eye, skin and respiratory protection if necessary. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists, call a physician. For more information call Product Safety: 800 507-8899 or see the SDS at usg.com.

COMPLIANCE
• Comply with ASTM C1396 for 5/8 in. (15.9 mm) and 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, 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>
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<tr>
<th>Job Name</th>
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<tr>
<td>Contractor</td>
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