USG
Interior
Panel &
Finishing
Solutions

SUBMITTAL SHEET

USG SHEETROCK® BRAND
ULTRALIGHT PANELS FIRECODE 30®

Lightweight, quality wall and ceiling panels for interior applications

- Up to 30% lighter than standard 5/8″ Type X gypsum panels
- Easier to lift, carry and install
- Lighter weight speeds installation
- UL classified as to fire resistance—30-minute and one-hour fire-rated walls
- Qualify as a low-VOC emitting material (meets CA 01350)
- Strength and impact resistance comparable to standard 5/8″ Type X
- Meet or exceed ASTM C1396 for 5/8″ non-Type X

DESCRIPTION

USG Sheetrock® Brand UltraLight Panels Firecode 30® have been formulated to achieve all of the strength and physical performance characteristics as standard 5/8″ USG Sheetrock® Brand Firecode® Core Panels at a significantly reduced weight. The panels have an innovative, engineered core and proprietary face and back papers that form a high strength to weight ratio composite design. The noncombustible core is encased in stronger, 100% recycled face and back papers. The natural finish 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 product name is printed with nonbleeding ink on the face of each panel for identification after installation.

INTENDED FOR

- Commercial or residential applications where 5/8″ Type X panels are not required
- New, or repair and remodel construction
- Non-fired-rated steel- or wood-framed wall and ceiling assemblies
- Single-layer wood- or steel-framed 30-minute fire-rated wall assemblies
- Double-layer gypsum panel steel-framed one-hour fire-rated wall assemblies

LIMITATIONS

1. It is not an ASTM C1396-defined Type X panel.
2. Avoid exposure to sustained temperatures exceeding 125˚F (52˚C).
3. Avoid exposure to excessive, repetitive or continuous moisture before, during and after installation.
4. Eliminate sources of moisture immediately.
5. Maximum frame spacing is 24″ o.c.
6. Maximum weight of unsupported insulation is 2.2 lb.-ft.²
7. Must be stored off the ground and under cover in accordance with Gypsum Association publication GA-801-07, *Handling and Storage of Gypsum Panel Products.*

INSTALLING, FINISHING AND DECORATING

USG Sheetrock® Brand UltraLight Panels Firecode 30 install and finish just like standard 5/8″ USG Sheetrock® Brand Firecode Core Panels. Fastener type and spacing requirements are the same as for standard 5/8″ Type X.

For high-quality finishing results, USG recommends the following products:

- USG Sheetrock® Brand Ready-Mixed Joint Compounds
- USG Sheetrock® Brand Setting-Type Joint Compounds
- USG Sheetrock® Brand Joint Tape
- USG Sheetrock® Brand First Coat™ Primer
- USG Sheetrock® Brand Paper-Faced Metal Drywall Bead and Trim
- USG Sheetrock® Brand Tuff-Hide™ Primer-Surfacer

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INSTALLING, FINISHING AND DECORATING CONT.

Painting products and systems that comply with recommendations and requirements in Appendixes of ASTM C840 should be used. For priming and decorating with paint, texture or wall covering, follow manufacturer's directions for materials used. Gypsum Association GA-214, *Recommended Specification for Levels of Gypsum Board Finish*, should be referred to in order to determine the level of finishing needed to assure a surface properly prepared to accept the final decoration.
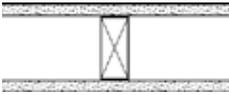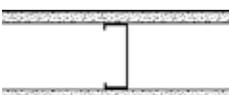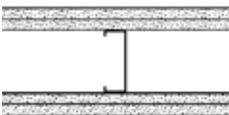
All surfaces, including applied joint compound, must be thoroughly dry, dust-free and not glossy. Prime with USG Sheetrock® Brand First Coat Primer or with an undiluted interior latex flat paint with high-solids content. Allow to dry before decorating.

To improve fastener concealment, where gypsum panel walls and ceilings will be subjected to severe artificial or natural side lighting or decorated with a gloss paint (eggshell, semigloss or gloss), the gypsum panel surface 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. As an alternative to skim coating, or when a Level 5 finish is required, use USG Sheetrock® Brand Tuff-Hide Primer-Surfacer.

TEST DATA

Property		ASTM Test Method	ASTM C1396 Specification 5/8" wallboard	USG Sheetrock® Brand UltraLight Panels Firecode 30 5/8"
Noncombustibility		E136	Pass	Pass
Surface Burning Characteristics	Flame Spread	E84	Flame Spread Index, not greater than 25	15
	Smoke Developed	E84	Smoke Developed Index, not greater than 450	0
Core Hardness (lbf)	Field	C473 (B)	Not less than 11	Meets or exceeds
	End	C473 (B)	Not less than 11	Meets or exceeds
	Edge	C473 (B)	Not less than 11	Meets or exceeds
Flexural Strength (lbf)	Parallel	C473 (B)	Not less than 46	Meets or exceeds
	Perpendicular	C473 (B)	Not less than 147	Meets or exceeds
Humidified Deflection (in)		C473	Not greater than 5/16"	Less than
Nail Pull Resistance (lbf)		C473 (B)	Not less than 87	Meets or exceeds

FIRE AND SOUND PERFORMANCE

30-MINUTE FIRE-RATED CONSTRUCTION   **ACOUSTIC PERFORMANCE**

Construction Detail	Description	Test Number	STC
	5/8" USG Sheetrock® Brand UltraLight Panels Firecode 30 2x4 wood studs 16" o.c. – load bearing	UL Design No. U407	33 w/ R-11 fiberglass sound batt
			45 w/ R-11 fiberglass sound batt, RC-1 one side
	5/8" USG Sheetrock® Brand UltraLight Panels Firecode 30 25 EQ gauge steel studs 24" o.c.	UL Design No. U407	44 w/ R-11 fiberglass sound batt
			45 w/ mineral wool sound batt

ONE-HOUR FIRE-RATED CONSTRUCTION

	Two layers 5/8" USG Sheetrock® Brand UltraLight Panels Firecode 30 each side 25 EQ gauge steel studs 24" o.c.	UL Design No. U407	52 w/ R-11 fiberglass sound batt

For more information on fire and sound peformance, please see USG Sheetrock® Brand UltraLight Panels Firecode 30 Sound Assembly Selector Guide WB2586.

APPLICATION TO WOOD STUD WALLS FOR RACKING RESISTANCE

Thickness	5/8″
Lengths and Widths[1]	48″ wide—8′, 9′, 10′, 12′, 14′, 16′
	54″ wide—12′, 14′
Weight[2]	1.65 lb./sq. ft.
Edges	Tapered
Packaging	Two panels per bundle
Shear Value for Wood-Frame[3] Screws, 8″ o.c. perimeter, 12″ o.c. field	75 plf
Shear Value for Wood-Frame[3] Nails, 4″ o.c. perimeter, 7″ o.c. field	127 plf
Thermal Coefficient of Expansion Unrestrained: 40-100°F (4-38°C)	9.0×10^{-6} in./in./°F (16.2×10^{-6} mm/mm/°C) (16.2 μm/m/°C)
Hygrometric Coefficient of Expansion Unrestrained: 5-90% r.h.	7.2×10^{-6} in./in./%r.h. (7.2×10^{-6} mm/mm/% r.h.) (7.2 μm/m/% r.h.)

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.
3. Shear Resistance tested in accordance to ASTM E72, where the panels were installed with the long dimension applied parallel to wood framing spaced 16″ o.c. When panels are applied with long dimension perpendicular to framing, supplemental blocking must be added to support all panel edges. For shear values on steel studs, please refer to limitations by AISI S230 or local limitations.

COMPLIANCE

Manufactured to meet or exceed ASTM C1396 for 5/8″ gypsum wallboard, non-Type X, Section 5 and Section 12 for gypsum ceiling board. Class A Surface Burning Characteristics, as defined in IBC Section 803.1.

SUBMITTAL APPROVALS

Job Name	
Contractor	**Date**

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

WARNING
Dust can contain silica. Prolonged and repeated breathing of silica dust can cause lung damage and cancer. If cutting with a power tool, use a wet or vacuum saw to reduce the amount of dust generated. Dust can be corrosive to eyes, skin and respiratory tract. Contact can cause severe chemical burns. Wear eye, skin and respiratory protection. If eye contact occurs, flush immediately with water for 30 minutes. If ingested, call a physician. Product safety information: 800 507-8899 or usg.com Customer Service: 800 USG.4YOU (874-4968).
KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS
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NOTE
Products described here may not be available in all geographic markets. Consult your USG Company sales office or representative for information.

NOTICE
We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

SAFETY FIRST!
Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.

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