SilentFX® QuickCut™

NOISE-REDUCING DRYWALL PANEL

SilentFX QuickCut Noise-Reducing Drywall Panel is specifically designed to reduce airborne sound transmission between two adjoining spaces when used in wall or floor/ceiling assemblies. SilentFX QuickCut drywall panel features a viscoelastic polymer that dampens sound energy. Application of the viscoelastic polymer between two specially formulated dense gypsum cores, which are enclosed in 100% recycled moisture and mold resistant face and back paper, results in a combination that significantly improves sound attenuation and is ideal for systems requiring high STC performance. Commercial acoustic systems featuring SilentFX QuickCut drywall panels provide STC ratings of 50 and up. In addition to providing exceptional acoustic performance, this functionally superior panel is engineered to cut and install like regular drywall.

Basic Uses

1/2" SilentFX QuickCut Drywall Panel is intended for use on interior walls in residential applications. 5/8" SilentFX QuickCut Type X Drywall Panel has many potential applications for use on interior walls and ceilings in commercial or institutional applications. 5/8" SilentFX QuickCut Type X can also be used in applications requiring fire resistance ratings. SilentFX QuickCut panels can be used for new construction and renovations over wood or steel framing. SilentFX QuickCut is typically nailed or screwed to studs spaced 16" (406 mm) or 24" (610 mm) o.c.

Advantages

- Features viscoelastic polymer for superior noise damping.
- SilentFX QuickCut systems improve sound attenuation with STC ratings of 50 and higher.
- High STC ratings with fewer layers of gypsum board than traditional assemblies.
- Abuse resistant per ASTM C1629.
- M2Tech paper provides additional zone of protection against moisture and mold.
- Achieves best possible score of 10 out of 10 for mold resistance per ASTM D3273*.
- Finishes like standard drywall panel.

* The performance of CertainTeed Moisture and Mold Resistant drywall panel in actual use may not accurately reproduce the results achieved in this ASTM laboratory test. Good design and construction practices that prevent water and moisture exposure of building products are the most effective strategy to avoid the growth of mold.

Job Name _____

Contractor _____

Date _____

Products Specified _____

PRODUCT DATA

PROPERTIES	SILENTFX QUICKCUT DRYWALL PANELS
Thickness	1/2" (12.7 mm) 5/8" (15.9 mm) Type X
Width	4' (1220 mm)
Length	8' and 12' (2440 and 3660 mm)
Weight	1/2" (12.7 mm) 2.1 lb/ft² (10.3 kg/m²) 5/8" (15.9 mm) 2.8 lb/ft² (13.7 kg/m²)
Edges	Tapered
Packaging	Two pieces per bundle, face-to-face and end-taped, palletized

Custom lengths may be available on special order. Consult your CertainTeed sales representative.

TECHNICAL DATA

APPLICABLE STANDARDS AND REFERENCE	
Product Standard	ASTM C1766
Installation Guidelines	ASTM C840 / GA-216
Finishing Guidelines	ASTM C840 / GA-214
Code References	International Building Code (IBC)
Code References	International Residential Code (IRC)
Code References	National Building Code of Canada (NBCC)
UL/ULC Designation	Type SilentFX

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PHYSICAL PROPERTIES	1/2" (12.7 mm) SILENTFX QUICKCUT	5/8" (15.9 mm) SILENTFX QUICKCUT TYPE X	TEST METHOD
Nominal Width	4′ (1220 mm)	4′ (1220 mm)	–
Standard Lengths	8′ (2440 mm) to 12′ (3660 mm)	8′ (2440 mm) to 12′ (3660 mm)	–
Face Surface	Paper	Paper	–
Weight - lb/ft² (kg/m²)	2.1 lb/ft² (10.3 kg/m²)	2.8 lb/ft² (13.7 kg/m²)	–
Edge Profile	Tapered	Tapered	–
Surface Burning Characteristics - Flame Spread	0 (0)	0 (0)	ASTM E84 / UL 723 (CAN/ULC-S102)
Surface Burning Characteristics - Smoke Developed	0 (5)	0 (5)	ASTM E84 / UL 723 (CAN/ULC-S102)
Surface Burning Characteristics	Class A	Class A	ASTM E84 / UL 723 (CAN/ULC-S102)
Combustibility	–	Non-Combustible	ASTM E136
Mold Resistance	10 out of 10	10 out of 10	ASTM D3273*
Surface Abrasion	–	Level 3**	ASTM D4977
Indentation	–	Level 1	ASTM D5420
Soft Body Impact	–	Level 2	ASTM C1629
Hard Body Impact	–	Level 2	ASTM C1629
Nail Pull	≥ 77 lbf (343 N)	≥ 87 lbf (387 N)	ASTM C473 (Method B)
Core Hardness - End	≥ 11 lbf (49 N)	≥ 11 lbf (49 N)	ASTM C473 (Method B)
Core Hardness - Edge	≥ 11 lbf (49 N)	≥ 11 lbf (49 N)	ASTM C473 (Method B)
Flexural Strength - Parallel	≥ 36 lbf (160 N)	≥ 46 lbf (205 N)	ASTM C473 (Method B)
Flexural Strength - Perpendicular	≥ 107 lbf (476 N)	≥ 147 lbf (654 N)	ASTM C473 (Method B)
Humidified Deflection	≤ 5/16" (8 mm)	≤ 5/8" (16 mm)	ASTM C473

**Results are reflective of samples prepared with 1 coat primer and 1 coat of paint

Advantages *continued*

- Regular and Type X products available.
- GREENGUARD Gold Certified

Installation

SOUND ISOLATION INSTALLATION

For the optimal performance of the SilentFX QuickCut system, it is important to think about and plan for sound flanking. Undesirable sounds will travel though flanking paths such as wall penetrations, ductwork, framing, recessed lighting, and concrete slabs. Sealing wall and ceiling assemblies using the following tips will help ensure optimal system performance:

- Allow an approximate 1/4" gap along all wall perimeter edges and completely seal this gap with an acoustical sealant.
- Use a sealant, such as Green Glue® sealant, and apply per ASTM C919.
- Limit wall penetrations to one per stud cavity.
- Stagger panel joints from one side of the wall to the other.
- Refrain from any wall penetrations when possible.
- Mold an acoustical putty around outlet boxes and plumbing fixtures to prevent sound flanking.

LIMITATIONS

- Avoid exposure to water or excessive moisture during transportation, storage, handling, during or after installation. Good design and construction practices that prevent water and moisture exposure of building products are the most effective strategy to avoid the growth of mold.
- 1/2" (12.7 mm) SilentFX QuickCut drywall panel is not recommended for ceiling applications.
- Not recommended for exterior application.
- SilentFX QuickCut Drywall Panels are not recommended for areas which will be continuously wet or subjected to high humidity such as tub and shower enclosures behind tile, saunas, steam rooms or gang showers.
- Not recommended for continuous exposure to temperatures exceeding 125˚F (52˚C).
- Ceiling framing spacing should not exceed 16" (406 mm) o.c. for parallel or 24" (610 mm) o.c. for perpendicular application of 5/8" SilentFX QuickCut Type X Drywall Panel.
- Wall framing spacing should not exceed 24" (610 mm) o.c.
- Store indoors and off ground surface. Panels should be stacked flat with care taken to prevent sagging or damage to edges, ends and surfaces.

LIMITATIONS *continued*

- Storing panel lengthwise leaning against the framing is not recommended. Storage should be in accordance with the Gypsum Association GA-801, *Handling and Storage of Gypsum Panel Products*.
- Panels should be carried, not dragged, to place of installation to prevent damaging finished edges.
- In cold weather or during joint finishing applications, temperatures within the enclosure should stay in the range of 50° to 95°F (10° to 35°C) with sufficient ventilation to carry off excess moisture.

Decoration

SilentFX QuickCut Drywall Panel may be finished, painted, or wallpapered using conventional gypsum panel techniques. The Gypsum Association publication, GA-214, "Recommended Levels of Gypsum Panel Finish" should be referenced when specifying the level of finishing required for the desired final decoration.

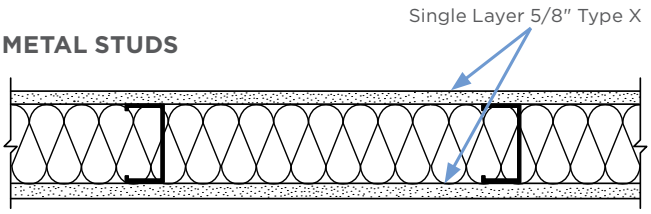
Abuse Resistance Classification Levels

ASTM TEST METHOD C1629	5/8" (15.9 mm) SILENTFX QUICKCUT TYPE X CLASSIFICATION LEVEL
Surface Abrasion	3**
Indentation	1
Soft Body Impact	2
Hard Body Impact	2

**Results are reflective of samples prepared with 1 coat primer and 1 coat paint.

Acoustic Performance

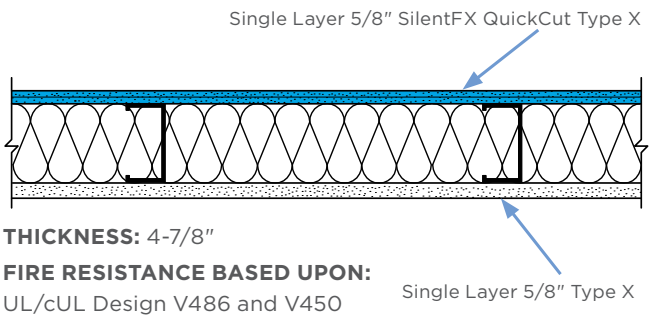
METAL STUDS



THICKNESS: 4-7/8"

FIRE RESISTANCE BASED UPON:
UL/cUL Design V486 and V450

ACOUSTICS:
Sound Resistance Rating – STC 49
Sound Test: NOAL 19-0932

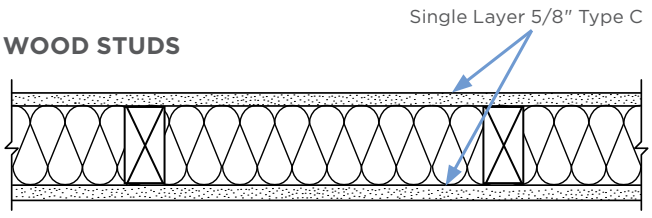


THICKNESS: 4-7/8"

FIRE RESISTANCE BASED UPON:
UL/cUL Design V486 and V450

ACOUSTICS:
Sound Resistance Rating – STC 56
Sound Test: OL 17-0221

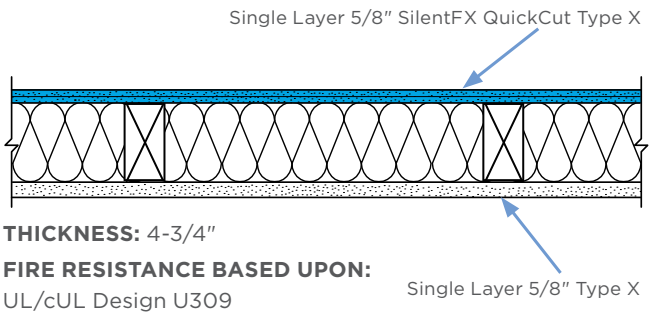
WOOD STUDS



THICKNESS: 4-3/4"

FIRE RESISTANCE BASED UPON:
UL/cUL Design U309

ACOUSTICS:
Sound Resistance Rating – STC 39
Sound Test: NOAL 19-0708



THICKNESS: 4-3/4"

FIRE RESISTANCE BASED UPON:
UL/cUL Design U309

ACOUSTICS:
Sound Resistance Rating – STC 51
Sound Test: OL 15-0503

Certifications

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BIM/CAD INFORMATION

The BIM and CAD UL fire rated assemblies and sound assemblies can be found on CertainTeed's BIM and CAD Design Studio at bimlibrary.saint-gobain.com/certainteed. CertainTeed's BIM and CAD Design Studio provides BIM and CAD details to many UL fire rated assemblies and sound assemblies in easy to view experience. Plus, downloadable Revit and DWG and PDF CAD Details are available.

SUSTAINABILITY

Sustainable documentation, including recycled content, EPD's, HPD's, VOC Certifications, can be found at saintgobain.ecomedes.com.

NOTICE

The information in this document is subject to change without notice. CertainTeed assumes no responsibility for any errors that may inadvertently appear in this document.

For Fire Resistance, no warranty is made other than conformance to the standard under which the assembly was tested. Minor discrepancies may exist in the values of ratings, attributable to changes in materials and standards, as well as differences between testing facilities. Assemblies are listed as "combustible" (wood framing) and "noncombustible" (concrete and/or steel construction).

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