

Wood Stud Assemblies

The new sound control requirements established by the National Building Code of Canada 2015 (NBCC) don't have to be complicated. Your solution? SilentFX®.

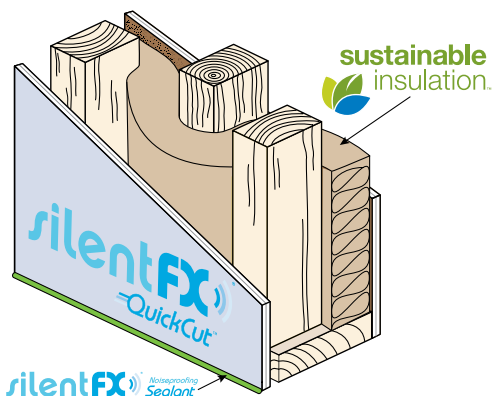
The NBCC's introduction of the apparent sound transmission class rating (ASTC) raised sound control requirements to a new level. As compared to the traditional sound transmission class (STC) ratings, ASTC ratings provide a better reference standard for comfort and well-being. These ASTC solutions are examples of smarter building practices and products that have been tested by the National Research Council Canada. A main provision of the new ≥ 47 ASTC rating involves sound transmitted through flanking paths. These paths are more abundant in wood frame construction, but with SilentFX® products, you've found a direct solution to meeting ASTC ratings especially for the construction of more affordable 6 storey wood buildings.

SilentFX® QuickCut™ Type X Drywall combined with SilentFX® Noiseproofing Sealant and SilentFX® Noiseproofing Putty create an excellent acoustic system for meeting and exceeding STC and ASTC specifications without complex techniques such as isolation clips or resilient channels. This system also helps reduce material usage versus traditional gypsum systems that require numerous layers of drywall.



ACOUSTIC SYSTEM BENEFITS

- ✓ Enhanced acoustical ASTC rating of 50 and greater in commercial and residential acoustic systems.
- ✓ Engineered to score and snap for faster installation and lower labor costs.
- ✓ Fewer layers of drywall means faster and more economical installation.
- ✓ Higher acoustic ratings mean fewer callbacks, happy customers and lower turnover rates.
- ✓ SilentFX® Noiseproofing Sealant and Putty improve acoustic performance and airtightness.
- ✓ More reliable than resilient channel systems.
- ✓ Mould and moisture resistant.
- ✓ Available in Regular and Type X (for enhanced fire resistance).
- ✓ Contributes to LEED 2009 and LEED v4 points.



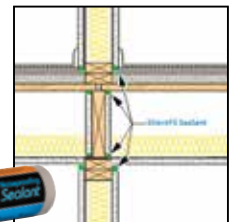
SILENTFX® QUICKCUT™ TYPE X DRYWALL

Superior acoustic performance by combining noise-reducing, laminated drywall with sound-dampening, viscoelastic polymer. SilentFX® QuickCut™ Type X is the only ASTC laminated drywall that is third party tested by the National Research Council of Canada.



SILENTFX® NOISEPROOFING SEALANT

Acoustic caulk used to reduce sound transmissions by filling gaps between walls, ceilings and floors.



SILENTFX® NOISEPROOFING PUTTY

Heavy mastic acoustic putty formulated to completely seal electrical outlet boxes, ducts, cables, etc. that could jeopardize acoustic-rated wall assemblies.















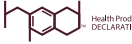







SUSTAINABLE INSULATION NOISE REDUCER

Noise Reducer insulation products are designed for wood stud interior, commercial and residential walls and floors to effectively reduce transmission of airborne sound and provide thermal insulation.



ASTC ACOUSTIC SOLUTIONS

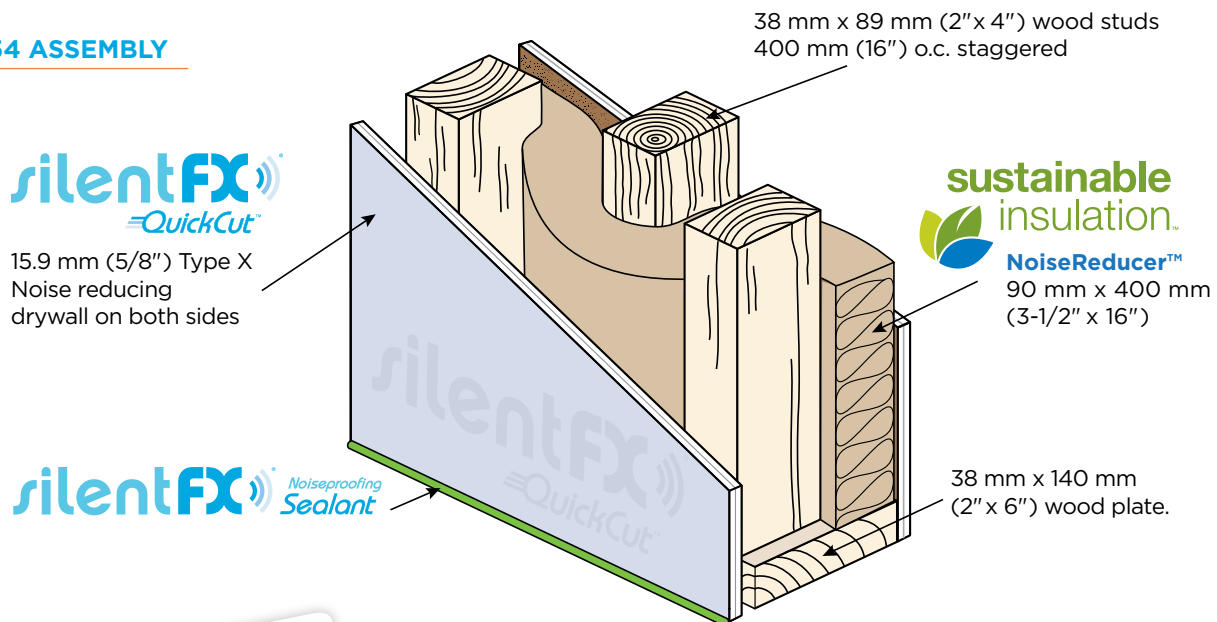
Wood Stud Assemblies

| SUSTAINABLE HABITAT - PERFORMANCE BENEFITS | | | | | | TESTING/APPROVALS | CERTAINTEED PRODUCT LIST | |
|---|---|---|---|---|---|---|--|---|
|  |  |  |  |  |  | | <ol style="list-style-type: none"> 1. Check with your authority having jurisdiction regarding Codes 2. Ask your CertainTeed Gypsum Representative for other system solutions. 3. Check with building designer | |
| BETTER | ASTC 50 |  | 1 hr ULC Design W313 |  |  |  |    | SilentFX QuickCut 15.9 mm (5/8") Type X on one side CertainTeed Gypsum Type X or M2Tech Type X on one side CertainTeed Noise Reducer Sustainable Insulation SilentFX Noiseproofing Sealant and Putty |
| | ASTC 54 |  | 1 hr ULC Design W313 |  |  |  |    | SilentFX QuickCut 15.9 mm (5/8") Type X on both sides CertainTeed Noise Reducer Sustainable Insulation SilentFX Noiseproofing Sealant and Putty |

The information contained in this document is for general purposes only. Product features and specifications are subject to change. The installation details and stated ASTC ratings are meant to serve only as a guide. Actual ASTC ratings will be dependent on construction practices, flanking sound patterns and the integrity of the wall. CertainTeed® Gypsum cannot guarantee actual ASTC ratings. SilentFX® QuickCut™ Type X should be stored and handled in accordance with the recommended practices outlined in the data submittal sheet. Assemblies with sound ratings from the NBCC Code Tables or Code Alternative Tests require acoustical sealant applied around electrical boxes, other openings and at junctions of intersecting walls and floors. Check your local Codes.

EPD = CertainTeed Type X (Montreal, Toronto and Vancouver plants) and Sustainable Insulation
 HPD = CertainTeed SilentFX QuickCut, Type X and Sustainable Insulation

ASTC 54 ASSEMBLY



CertainTeed Corporation

ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE • GYPSUM • CEILINGS • INSULATION

2424 Lakeshore Rd. West, Mississauga, ON L5J 1K4 Professional: 800-233-8990 Consumer: 800-782-8777 certainteeted.ca

