

## HIGHER STC RATINGS

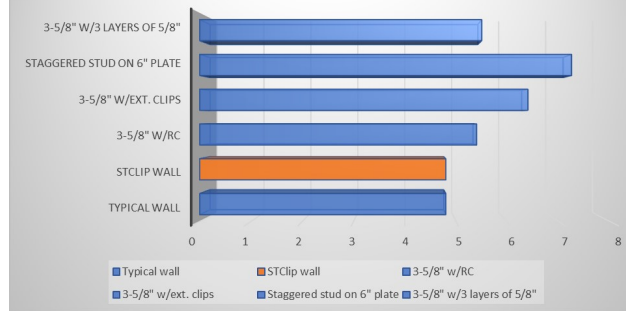
ASTM E90 Sound Transmission Class

Test #	Sample Identification	Test Results	
		STC	QTC
1	4-7/8" Sound Termination Clip (STClip) 24" O.C. double 1-5/8" 20 ga. stud configuration, 5/8" Fire X Drywall on each side, R-11 fiberglass insulation.	52	33
2	4-7/8" Sound Termination Clip (STClip) 16" O.C. double 1-5/8" 20 ga. stud configuration, 5/8" Fire X Drywall on each side R-13 mineral wool insulation.	52	31
3	4-7/8" STClip double 1-5/8" 20ga steel stud configuration - 16" O.C. with a single layer of 5/8" Fire X Drywall on source side and double layer of 5/8" Fire X Drywall on the receive side - R-11 fiberglass insulation.	56	37
4	4-7/8" (STClip) double 1-5/8" 20 ga. steel stud configuration 16" O.C. with a single layer of 5/8" Fire X Drywall on source side and a single layer of 5/8" SoundBreak XP Drywall on receive side - R-11 fiberglass insulation.	54	33
5	6" ST Clip - Double Steel Studded Wall - 16" OC with single layer of 5/8" Fire X Drywall on each side - R-19 fiberglass insulation.	55	34
6	6" ST Clip - Double Steel Studded Wall- 16" OC with single layer of 5/8" Fire X Drywall on source side and double layer on Receive Side - R-19 fiberglass insulation.	58	39
7	6" ST Clip - Double Steel Studded Wall - 16" OC with double layer of 5/8" Fire X Drywall on each side - R-19 fiberglass insulation.	59	44

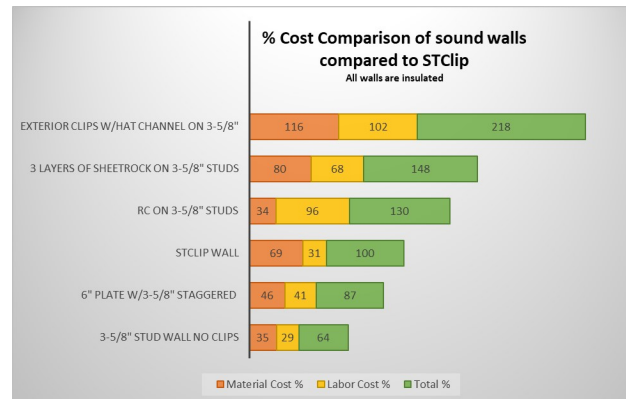
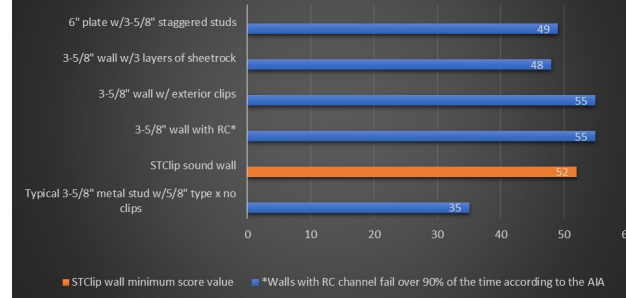


Testing done on the **STClip** by Element Testing of Minneapolis MN. (on a variety of walls) scored STC ratings of 52 points or greater.

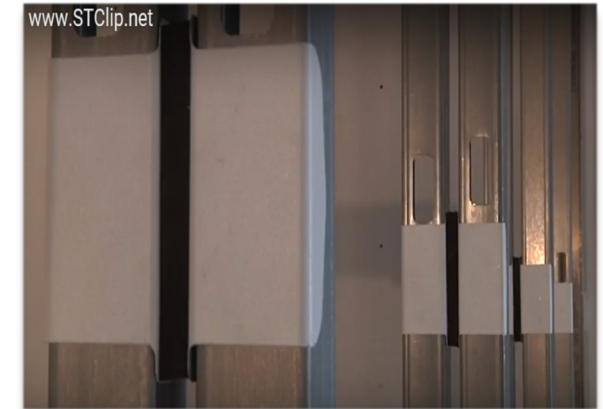
Soundwall depths in inches



STC Value of walls in lab tests



**STClip**  
SOUND TERMINATION CLIP



♦ **FASTER INSTALLATION OF SOUND WALLS**

♦ **THINNER WALLS**

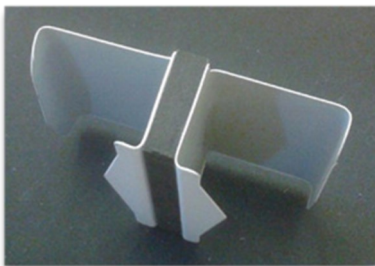
♦ **HIGHER STC RATING**

♦ **PROJECT COST SAVINGS**

*Sound wall demand is growing at an enormous rate, and will be a fixture component of future energy codes. STClip appears to be doing it more simply and effectively than any other product. (Element Testing Team, 2016)*

## THE PRODUCT

- ◆ **STClip** is a patent pending steel stud accessory designed to build a standard dimensional 2x4, 2x6 wall and achieve STC ratings of 52 or >.
- ◆ **STClip** was developed by an expert in the field of interior wall construction who partnered with a proven MFG company, Pro Products, LLC.
- ◆ Pro Products, LLC also creates the wall to ceiling solution; Eliminator Track. [www.eliminatortrack.com](http://www.eliminatortrack.com); a great solution for building demountable walls.



## FASTER INSTALL

- ◆ **STClip** installs faster than resilient channel products and other dual layer systems allowing STC rated dimensional walls to be cost effective to capture a growing demand.
- ◆ **STClip** requires no mechanical fasteners.
- ◆ Mechanical fasteners are a high risk to short circuit typical walls designed to mitigate noise transference.
- ◆ **STClip** requires no mechanical fasteners for attachment to the studs, simply position the clip between 2 studs and twist until it clicks.



## THINNER WALLS

- ◆ **STClip** allows a contractor to build a dimensional 2x4 or 2x6 wall and achieve STC ratings of 52 and higher.
- ◆ Using **STClip** will achieve a minimum 4-7/8" thick wall to a maximum 7-3/4" 2x6 wall.
- ◆ Thinner Walls:
  - ◆ Maximize square footage in floor space resulting in maximization of real estate value.
  - ◆ Eliminate custom sized door and window jambs, resulting in project cost savings

## HIGHER STC RATINGS

- ◆ **STClip** achieves higher STC ratings from its ability to effectively dampen sound by its decoupling stud principles.
- ◆ Testing was completed in 2016 in a variety of applications that were built to minimum specifications and loss considerations for real world applications.
- ◆ The practice of using sound caulking systems and applying metal foil tape on every screw / joint was *NOT* used in **STClip** testing, only leaving room for increased performance.
- ◆ STC ratings have become code in some markets in the US. A STC of 50 (third party testing) is often the goal, with a field test goal of 45. We believe the market is demanding more, but has not found a cost effective solution prior to **STClip**.