



**SOUND TRANSMISSION CLASS INFORMATION
STC TEST DATA
Perfect Fill™ Fiberglass Insulation System**

WOOD STUD		
STC	FIRE RATING	CONSTRUCTION DESCRIPTION
56	N/A	Double wood studs 2" x 4" @ 16" OC single layer ½" type X gypsum board each side; cavity filled with Perfect Fill.
51	1 hr.	Staggered wood studs 2" x 4" @ 16" OC on a 2" x 6" plate with a single layer ½" type X gypsum board each side; cavity filled with Perfect Fill.
48	1 hr.	Single wood studs 2" x 4" @ 16" OC with resilient channel, single layer 5/8" type X gypsum board each side; cavity filled with Perfect Fill.
37	1 hr.	Single wood studs 2" x 4" @ 16" OC single layer ½" type X gypsum board on each side; cavity filled with Perfect Fill.
37	N/A	Single wood studs 2" x 6" @ 16" OC single layer ½" type X gypsum board with 4 mil poly vapor barrier on one side; cavity filled with Perfect Fill and 1/2" CDX plywood on opposite side.
36	N/A	Single wood studs 2" x 4" @ 16" OC single layer ½" type X gypsum board with 4 mil poly vapor barrier on one side; cavity filled with Perfect Fill and 1/2" CDX plywood on opposite side.
35	1 hr	Single wood studs 2" x 6" @ 16" OC single layer ½" type X gypsum board each side; cavity filled with Perfect Fill

METAL STUD		
STC	FIRE RATING	CONSTRUCTION DESCRIPTION
53	1 hr.	Metal studs 3-5/8" @ 24" OC double layer 1/2" type X gypsum board each side; cavity filled with Perfect Fill.
45	1 hr.	Metal studs 3-5/8" @ 24" OC single layer 5/8" type X gypsum board each side; cavity filled with Perfect Fill.
42	1 hr.	Metal studs 2½" @ 24" OC single layer 5/8" type X gypsum board each side; cavity filled with Perfect Fill

Testing Performed by: ITT Research Institute - Riverbank Acoustical Laboratories - Geneva, IL