



SOUND TRANSMISSION CONTROL INFORMATION
STC TEST DATA
UltraFitDS™ Spray-On Insulation

WOOD STUD		
STC	FIRE RATING	CONSTRUCTION DESCRIPTION
51	1 hour	Staggered wood studs 2" x 4" 16" OC on a 2" x 6" plate with single layer 1/2" type X gypsum board each side; cavity filled with UltraFit DS.
47	1 hour	Single wood studs 2" x 4" 16" OC with resilient channel, single layer 5/8" type X gypsum board each side; cavity filled with UltraFit DS.
43	1 hour	Single wood studs 2" x 4" 16" OC single layer 1/2" type X gypsum board each side, cavity filled with UltraFit DS.
44	N/A	Single wood stud 2" x 6" 16" OC single layer 1/2" type X gypsum board with 4 ply poly vapor barrier on one side, cavity filled with UltraFit DS and 1/2" CDX plywood other side.
44	N/A	Single wood studs 2" x 4" 16" OC single layer 1/2" type X gypsum board with 4 ply poly vapor barrier on one side, cavity filled with UltraFit DS and 1/2" CDX plywood other side.
42	1 hour	Single wood studs 2" x 6" 16" OC single layer 1/2" type X gypsum board each side, cavity filled with UltraFit DS.

METAL STUD		
STC	FIRE RATING	CONSTRUCTION DESCRIPTION
56	2 hours	Metal studs 3-5/8" 24" OC double layer 1/2" type X gypsum board each side; cavity filled with UltraFit DS.
53	1 hour	Metal studs 3-5/8" 24" OC single layer 5/8" type X gypsum board each side; cavity filled with UltraFit DS.
51	1 hour	Metal studs 2-1/2" - 24" OC single layer 5/8" type X gypsum board each side; cavity filled with UltraFit DS.
59	1 hour	Metal stud 5-5/8" 24" OC, 5/8" type X gypsum board single layer one side, double layer and resilient channel other side; cavity filled with UltraFit DS.



UltraFit DS™ Fiberglass Residential Spray-On Insulation Air Infiltration Data Comparison

Wall Assembly	.26 psf (10.2 mph)	.52 psf (14.4 mph)	.78 psf (17.7 mph)	1.04 psf (20.4 mph)	1.3 psf (22.1 mph)
2 x 4 no insulation	5.80 CFM	9.10 CFM	12.20 CFM	14.40 CFM	16.30 CFM
2 x 6 no insulation	6.00 CFM	9.90 CFM	13.20 CFM	16.20 CFM	18.80 CFM
2 x 4 fiberglass batts	2.90 CFM	3.40 CFM	5.10 CFM	6.50 CFM	9.10 CFM
2 x 6 fiberglass batts	1.90 CFM	3.40 CFM	4.30 CFM	4.90 CFM	6.60 CFM
2 x 4 UltraFit DS™	0.20 CFM	0.70 CFM	1.30 CFM	1.70 CFM	2.20 CFM
2 x 6 UltraFit DS™	0.40 CFM	1.10 CFM	1.80 CFM	2.40 CFM	2.90 CFM

Testing performed by: Architectural Testing, Inc. - York, PA
In accordance with ASTM 283-91
All testing conducted without housewrap or vapor barrier

Legend

psf = Pounds per Square Foot
mph = Miles per Hour
CFM = Cubic Feet per Minute
09079