

STC Ratings

STC Ratings of wall assemblies insulated with Nu-Wool Premium Cellulose Insulation.

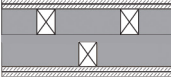
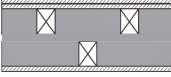
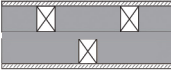
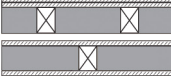
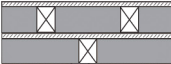
Testing done with full scale assemblies at Riverbank Acoustical Laboratories. Some walls extrapolated from other data.

The diagrams and stated STC ratings listed below are intended to serve as a guide. Construction practices have an influence on final STC ratings. Nu-Wool[®] Co., Inc. cannot guarantee actual STC ratings. Flanking sound patterns, the integrity of the wall, and floor and ceiling construction are important factors in effective sound control.

For more information, please contact the technical department of Nu-Wool Co., Inc. at 800.748.0128.

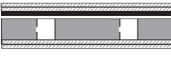
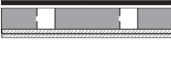
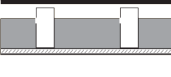


WOOD STUD ASSEMBLIES

Nu-Wool proprietary firewall designs

- 63** U382: Staggered wood studs 16" o.c.; double layer 5/8" type "C" gypsum board each side; Nu-Wool[®] Fire and Sound Insulation 3 1/2" thick 
- 58** U382: Staggered wood studs 16" o.c.; double layer 5/8" type "C" gypsum board one side, single layer other side; Nu-Wool[®] Fire and Sound Insulation 3 1/2" thick 
- 53** U382: Staggered wood studs 16" o.c.; single layer 5/8" type "C" gypsum board each side; Nu-Wool[®] Fire and Sound Insulation 3 1/2" thick 
- 58** U369: Staggered wood studs 16" o.c.; double layer 5/8" type "x" gypsum board one side, single layer other side; WALLSEAL[®] 3 1/2" thick. 
- 51** U360: Staggered wood studs 16" o.c.; single layer 5/8" type "x" gypsum board each side and between studs; WALLSEAL[®] 3 1/2" thick 

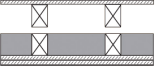
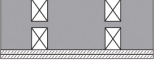
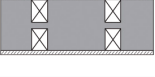
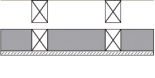
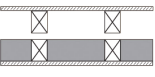
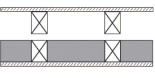
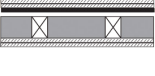
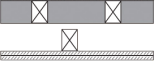
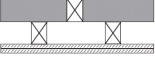
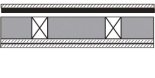
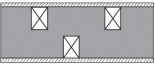
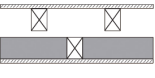
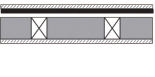
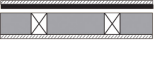
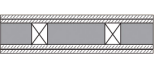
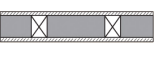
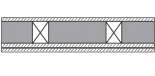
STEEL STUD ASSEMBLIES

STC Ratings for common wall assemblies

- 60** Single steel studs 16" o.c.; resilient channel one side; double layer 5/8" type "x" gypsum board each side; WALLSEAL[®] 3 1/2" thick. 
- 58** Single steel studs 16" o.c.; resilient channel one side; double layer 1/2" type "x" gypsum board each side; WALLSEAL[®] 3 1/2" thick. 
- 54** Single 6" studs 16" o.c.; resilient channel one side; one layer, 5/8" gypsum board each side; WALLSEAL[®] 3 5/8" thick. 
- 52** Single steel studs 16" o.c.; resilient channel one side; single layer 5/8" type "x" gypsum board each side; WALLSEAL[®] 3 1/2" thick. 
- 46** Single steel studs 16" o.c.; single layer 1/2" gypsum board each side; WALLSEAL[®] 3 1/2" thick. 

WOOD STUD ASSEMBLIES

STC ratings for common wall assemblies

- 66** Double wood studs 16" o.c.; double layer 1/2" type "x" gypsum board each side; WALLSEAL[®] one side 3 1/2" thick 
- 62** Double wood studs 16" o.c.; double layer 1/2" gypsum board one side, single layer other side; both cavities WALLSEAL[®] to thickness 
- 61** Double wood studs 16" o.c.; single layer 1/2" gypsum board each side; both cavities WALLSEAL[®] to thickness 
- 59** Double wood studs 16" o.c.; double layer 1/2" type "x" gypsum board one side, single layer other side; WALLSEAL[®] one side 3 1/2" thick. 
- 58** Double wood studs 16" o.c.; single layer 1/2" type "x" gypsum board each side; WALLSEAL[®] one side 3 1/2" thick 
- 58** Double wood studs 16" o.c.; single layer 5/8" type "x" gypsum board each side; WALLSEAL[®] one side 3 1/2" thick 
- 58** Single wood studs 16" o.c.; resilient channel one side; double layer 1/2" type "x" gypsum board each side; WALLSEAL[®] 3 1/2" thick 
- 56** Staggered wood studs 24" o.c.; double layer 5/8" type "x" gypsum board each side; WALLSEAL[®] one side 3 1/2" thick 
- 54** Staggered wood studs 24" o.c.; double layer 5/8" type "x" gypsum board one side, single layer other side; WALLSEAL[®] one side 3 1/2" thick 
- 54** Single wood studs 16" o.c.; resilient channel; single layer 5/8" type "x" gypsum board one side, double layer other side, WALLSEAL[®] 3 1/2" thick 
- 53** Staggered wood studs 16" o.c.; single layer 1/2" gypsum board each side; both cavities WALLSEAL[®] to thickness 
- 52** Staggered wood studs 16" o.c.; single layer 5/8" type "x" gypsum board each side; WALLSEAL[®] one side 3 1/2" thick 
- 51** Single wood studs 16" o.c.; resilient channel one side; single layer 5/8" type "x" gypsum board each side, WALLSEAL[®] 3 1/2" thick 
- 48** Single wood studs 16" o.c.; resilient channel one side; single layer 1/2" type "x" gypsum board each side; WALLSEAL[®] 3 1/2" thick 
- 47** Single wood studs 16" o.c.; double layer 1/2" type "x" gypsum board each side; WALLSEAL[®] 3 1/2" thick 
- 45** Single wood studs 16" o.c.; single layer 5/8" type "x" gypsum board each side; WALLSEAL[®] 3 1/2" thick 
- 42** Single wood studs 16" o.c.; double layer 1/2" gypsum board one side, single layer 1/2" gypsum board other side; WALLSEAL[®] 3 1/2" thick 
- 41** Single wood studs 16" o.c.; single layer 1/2" type "x" gypsum board each side; WALLSEAL[®] 3 1/2" thick 