GUARDIAN FIBERGLASS INSULATION

SOUND TRANSMISSION CLASS INFORMATION
STC TEST DATA
FIBERGLASS BATT INSULATION

WOOD STUD		
STC	**FIRE RATING**	**CONSTRUCTION DESCRIPTION**
38	1 hr.	Single wood studs 16” o.c. single layer 5/8”type X gypsum board or each side; one thickness (3”-4”) mineral fiber batt insulation.
40	N/A	Single wood studs 16" o.c. , single layer 1/2" type X gypsum board one; double layer other side; one thickness (3”-4”) mineral fiber bat insulation.
45	1 hr.	Single wood studs 16" o.c. double layer 1/2" type X gypsum boarc each side, one thickness (3”-4”) mineral fiber batt insulation.
49	1 hr.	Single wood stud 16" o.c. with resilient channel, single layer 5/8" type X gypsum board each side; one thickness (3”-4”) mineral fiber batt insulation.
52	N/A	Single wood studs 16" o.c. single layer 1/2" type X gypsum board with resilient channel; double layer other side; one thickness (3”-4”) mineral fiber batt insulation.
56	1 hr.	Single wood studs 16" OC double layer 1/2" type X gypsum board each side, with resilient channel one side; one thickness (3”-4”) mineral fiber batt insulation.
53	N/A	Staggered wood studs 16" o.c. single layer 1/2" type X gypsum board one side, double layer other side; one thickness (3”-4”) mineral fiber batt insulation.
55	N/A	Staggered wood studs 24" o.c. double layer 1/2" type X gypsum board each side, one thickness (3”-4”) mineral fiber batt insulation.
58	1 hr.	Double wood studs 16" o.c. single layer 1/2" type X gypsum board each side; two thicknesses (3”-4”) mineral fiber batt insulation.
61	1 hr.	Double wood studs 16" o.c. single layer 1/2" type X gypsum board one side, double layer other side; two thicknesses (3”-4”) mineral fiber batt insulation.
63	1 hr.	Double wood studs 16" o.c. single layer 1/2" type X gypsum board each side; one thickness (3”-4”) mineral fiber batt insulation.

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