

SoundBreak Gypsum Board Acoustical Selector Guide

To view the Sound Tests -
click on the underlined Test No.

SOUNDBREAK™ GYPSUM BOARD PARTITIONS – WOOD FRAMING					
Fire Rating	Ref.	Design No.	Description	Test No.	STC
SINGLE LAYER – 2X4 STUDS					
N/A		N/A	5/8" SoundBreak Gypsum Board applied vertically to each side of 2x4 studs spaced 24" o.c. with 1-1/4" type W screws 12" o.c. 3-1/2" glass fiber in stud cavity.	RAL TL07-145	53
UNBALANCED STAGGERED – 2X4 STUDS					
1 hr.	GA	Based on WP3514	Base layer 5/8" Fire-Shield Gypsum Board vertically applied to staggered 2x4 studs spaced 16" o.c. on 2x6 plates with 1-1/4" type W screws 12" o.c. Face layer of 5/8" SoundBreak vertically applied with 2" type W screws 16" o.c. Opposite side 5/8" Fire-Shield Gypsum Board vertically applied with 1-1/4" type W screws 12" o.c. Vertical joints staggered 16" each layer and opposite sides. 2-1/2" glass fiber in stud cavity.	RAL TL07-170	60
UNBALANCED DOUBLE ROW – 2X4 STUDS					
1 hr.	GA	Based on WP3514	Base layer 5/8" Fire-Shield Gypsum Board vertically applied to double row of 2x4 studs spaced 16" o.c. on separate plates with 1-1/4" type W screws 12" o.c. Face layer of 5/8" SoundBreak vertically applied with 2" type W screws 16" o.c. Opposite side 5/8" Fire-Shield Gypsum Board vertically applied with 1-1/4" type W screws 12" o.c. Vertical joints staggered 16" each layer and opposite sides. 3-1/2" glass fiber in stud cavity.	RAL TL07-147	64
SOUNDBREAK™ GYPSUM BOARD PARTITIONS – AREA SEPARATION WALL					
Fire Rating	Ref.	Design No.	Description	Test No.	STC
H-STUD AREA SEPARATION WALL					
2 hr.	UL	U347	Two layers of 1" Fire-Shield Shaftliner or Fire-Shield Shaftliner XP inserted in 2" H-studs spaced 24" o.c. Minimum 3/4" air space between shaftliner and adjacent construction. 5/8" SoundBreak Gypsum Board applied vertically to outside of 2x4 studs spaced 16" o.c. with 1-1/4" type W screws 12" o.c. 3-1/2" glass fiber in stud cavity.	NRCC B-3451.1	67
SOUNDBREAK™ GYPSUM BOARD PARTITIONS – STEEL FRAMING					
Fire Rating	Ref.	Design No.	Description	Test No.	STC
SINGLE LAYER – 3-5/8" STUDS					
N/A		N/A	5/8" SoundBreak Gypsum Board vertically applied to each side of 3-5/8" steel studs spaced 24" o.c. with 1" type S screws 12" o.c. Vertical joints staggered 24" on opposite sides. 3-1/2" glass fiber in stud cavity.	RAL TL06-336	55
UNBALANCED – 3-5/8" STUDS					
1 hr.	UL	Based on U465	Base layer 5/8" SoundBreak Gypsum Board vertically applied to 3-5/8" steel studs spaced 24" o.c. with 1" type S screws 24" o.c., Face layer 5/8" Fire-Shield Gypsum Board vertically applied with 1-5/8" type S screws 12" o.c. Opposite side 5/8" Fire-Shield Gypsum Board vertically applied with 1" type S screws 12" o.c. Vertical joints staggered 24" each layer and opposite sides. 3-1/2" glass fiber in stud cavity.	RAL TL07-167 *	57
DOUBLE LAYER – 3-5/8" STUDS					
1 hr.	GA	Based on WP1052	Base layer 5/8" SoundBreak Gypsum Board vertically applied to 3-5/8" steel studs spaced 24" o.c. with 1" type S screws 24" o.c., face layer 5/8" Fire-Shield Gypsum Board vertically applied with 1-5/8" type S screws 12" o.c. Opposite side two layers 5/8" Fire-Shield Gypsum Board vertically applied. Base layer attached with 1" type S screws 24" o.c., face layer attached with 1-5/8" type S screws 12" o.c. Vertical joints staggered 24" each layer and opposite sides. 3-1/2" glass fiber in stud cavity.	RAL TL07-168	60
DOUBLE LAYER – 6" STUDS					
1 hr.	GA	Based on WP1052	Base layer 5/8" SoundBreak Gypsum Board vertically applied to 6" steel studs spaced 24" o.c. with 1" type S screws 24" o.c., face layer 5/8" Fire-Shield Gypsum Board vertically applied with 1-5/8" type S screws 12" o.c. Opposite side two layers 5/8" Fire-Shield Gypsum Board vertically applied. Base layer attached with 1" type S screws 24" o.c., face layer attached with 1-5/8" type S screws 12" o.c. Vertical joints staggered 24" each layer and opposite sides. 6" glass fiber in stud cavity.	NRCC B-3456.2	61

Note: In multi-layer systems, SoundBreak Gypsum Board can be used as either a face layer or a base layer without affecting the STC Rating.

***Updated Test**