

PINK NEXT GEN® FIBERGLAS™ SOUND ATTENUATION BATTS (SAB) METAL FRAMING

PINK Next Gen® Fiberglas™ Sound Attenuation Batts (SAB) are unfaced, lightweight, flexible fiberglass insulation batts, designed to deliver noise control in wall cavities of interior partitions. Manufactured to friction fit, they are available in 8-foot lengths in both 2½-inch and 3½-inch thicknesses. Depending on the construction method and components used, SABs can improve STC (Sound Transmission Class) ratings by 4-11 points over an empty cavity.

Features

- Excellent acoustical performance
- Easy to install and fabricate
- Long-term performance and will not settle or slump within wall cavities
- PINK Next Gen® Fiberglas™ insulation has excellent stiffness and recovery characteristics
- Compression packaging from Owens Corning speeds job
- Labeled with thermal value

Standards, Codes Compliance

- Manufactured in compliance with ASTM C665 Type 1
- Classified non-combustible as tested in accordance with ASTM E136
- Acceptable for use in ICC building construction types I through V
- Certified to meet California Code of Regulations, Title 24, Chapter 12-13, Article 3, "Standards for Insulating Material"

Applications

- Metal stud wall cavities of interior partitions

Surface Burning Characteristics/ Building Code Construction Classification[1]

PRODUCTS	FLAME SPREAD	SMOKE DEVELOPED	ICC
Unfaced	< 25	< 50	All Types

WATER ABSORPTION	TEST	VALUE
Maximum by Weight	ASTM C1104	Less than 5%

DIMENSIONAL STABILITY	VALUE
Linear Shrinkage	Less than 0.1%

1 Products are tested in accordance with Surface Burning Characteristics ASTM E84.

Reality of Sound Transmission Class (STC)

STC is a method of rating sound transmission performance of a wall or floor assembly. It is intended as a quick screening tool to compare different wall or floor assemblies. STC ratings are determined in a laboratory under controlled conditions. Even then, differences of 2 STC points can occur for the same assembly in the same laboratory. In the field, flanking noise, quality of material, and construction practices can lead to widely varied STCs for the same assembly.

Design Considerations

Acoustical performance of metal stud interior partitions can be substantially affected by a number of important design and construction details. Important details include:

1. Seal the bottom plate and any wall penetrations with non-hardening permanently resilient sealant.
2. Location and attachment of outlets, ducts, and mechanical equipment. Plumbing should be designed to allow for expansion and contraction. Pipes should also be isolated from framing, using resilient mounts.
3. Use solid core wood or metal doors for best noise control. Depending on HVAC requirements, weather-stripping may be used around the door to reduce sound transmission.

Fire Safety

Wall assemblies with SAB installed in the cavities can achieve up to a 2-hour fire resistance rating as tested in accordance with ASTM E119.

Acoustic and Fire Ratings for Typical Steel Stud Partitions

STUD DEPTH	STC	NATIONAL RESEARCH COUNCIL (NRC) TEST NO.	WALL DESCRIPTION	UL FIRE RESISTANCE DIRECTORY[2]	FIRE RESISTANCE DESIGN MANUAL GYPSUM ASSOC. FILE NO.[2]	HOURLY RATING	GYPSUM
2½"	39	TL-93-058	2½" 25ga Steel Studs 16" OC, ⅝ gyp w/ 2½" Fg batt	U494	WP 1240	1 hr NLB	Single Layer
2½"	44	TL-93-033	2½" 25ga Steel Studs 24" OC, ⅝ gyp w/ 2½" Fg batt	U495	WP 1076	1 hr NLB	
2½"	45	TL-93-038	2½" 25ga Steel Studs 24" OC, ½ gyp w/ 2½" Fg batt	U419, U423	WP 1240	45 min NLB	
3⅝"	49	TL-93-325	3⅝" 25ga Steel Studs 16" OC, ⅝ gyp w/ 3½" Fg batt	U419, U423		1 hr LB/NLB	
3⅝"	50	TL-93-324	3⅝" 25ga Steel Studs 24" OC, ⅝ gyp w/ 3½" Fg batt	U419, U423	WP 1072	1 hr LB/NLB	
3⅝"	46	TL-93-344	3⅝" 25ga Steel Studs 16" OC, ½ gyp w/ 3½" Fg batt	U423		45 min NLB	
2½"	51	TL-93-039	2½" 25ga Steel Studs 24" OC, (2)⅝/(1)⅝ gyp 2½" Fg	U423		1 hr NLB	Unbalanced
3⅝"	52	TL-92-420	3⅝" 25ga SS 16" OC, (2) ⅝ gyp/(1) ⅝ gyp 3½" Fg	U423		1 hr NLB	
3⅝"	54	TL-92-368	3⅝" 25ga SS 24" OC, (2) ⅝ gyp/(1) ⅝ gyp 3½" Fg	U423	WP 1052	1 hr NLB	
3⅝"	50	TL-93-354	3⅝" 25ga SS 16" or 24" OC, ⅝ gyp w/ RC, 3½" Fg.	U423		1 hr LB/NLB	
2½"	55	TL-93-037	2½" 25ga Steel Studs 24" OC, (2) ⅝ gyp 2½" Fg	U411	WP 1548	2 hr NLB	Double Layer
3⅝"	55	TL-92-424	3⅝" 25ga Steel Studs 16" OC, (2)½ gyp 3½" Fg	U412		2 hr NLB	
3⅝"	55	TL-92-412	3⅝" 25ga Steel Studs 24" OC, (2)½ gyp 3½" Fg	U412	WP 1521	2 hr NLB	
3⅝"	58	TL-92-369	3⅝" 25ga Steel Studs 24" OC, (2)⅝ gyp 3½" Fg	U411, U425	WP 1522	2 hr NLB	

2 Acoustic and fire-resistance ratings apply to assemblies in their entirety. Except for separately rated structural members supporting tested assemblies, individual components are not assigned a fire-resistance rating and are not intended to be interchanged between assemblies. They are designated for use in a specific design so the ratings of the design may be attained. Refer to the online resources for the most up-to-date published assembly details. Consult with the authority having jurisdiction before installation.

Acoustic Comparison of Cavity Insulation Types

GYPSUM BOARD[1]	INSULATION TYPE	TEST NUMBER	STC
One layer each side			
⅝"	None	TL-92-618	38
⅝"	Fiberglass	TL-93-325	49
⅝"	Mineral Wool	TL-93-327	47
⅝"	Cellulose (spray)	TL-93-049	45
One layer one side, two layers the other side			
⅝"	Fiberglass	TL-92-420	52
⅝"	Mineral Wool	TL-93-329	53
⅝"	Cellulose (spray)	TL-93-050	49
⅝"	Cellulose (blown)	TL-92-437	49

3⅝-inch 25-Gauge Non-Load-Bearing Studs at 16 inches on center NRC-CNRC Internal Report IRC-IR-693, October 1995

1 Type - X

Availability

THICKNESS	WIDTH	LENGTH
2½"	16"/24" (406mm/609mm)	96"
3½"	16"/24" (406mm/609mm)	96"
6½"	16"/24" (406mm/609mm)	96"

Certifications and Sustainable Features

- GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg
- Environmental Product Declaration (EPD) has been verified by SCS Global

RECYCLED CONTENT COUNTS

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Notes

PINK Next Gen® Fiberglas™ Sound Attenuation Batts (SAB) are ink jetted on the fiberglass with their thermal value of R-11 for 3½ inches and R-8 for 2½ inches to meet labeling requirements of thermal values for insulation used in the thermal envelope.

If specifying for an open cavity, remember to use supplemental support for heights over 8 feet.

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via http://sds.owenscorning.com.

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