GEORGIA-PACIFIC

1/4" GYPSUM SOUND DEADENING BOARD

PLAINTIFF'S EXHIBIT

GP-1078

Questions and Answers

Q. WHAT IS G-P ¼" GYPSUM SOUND DEADENING BOARD?

A. New Georgia-Pacific ¼" Gypsum Sound Deadening Board is an incombustible gypsum backer board with a highly absorbent face paper and a specially formulated gypsum core. It was developed to provide an incombustible and efficient sound deadening material that could be marketed at a competitive price.

Q. WHY IS IT USED?

A. To provide extremely good sound control and fire resistive values at very low costs.

Q. WHERE IS IT USED?

A. In low and high-rise apartment buildings, motels, office and store buildings, anywhere it is desirable to provide a low-cost incombustible barrier to the transmission of unwanted sound.

Q. IS IT FIRE RATED?

A. Tests at independent laboratories (Underwriters' Laboratories, Inc. and Ohio State Research) have proven that G-P ¼" Gypsum Sound Deadening Board and ½" G-P Firestop Gypsum Wallboard provide 1-hour fire resistance when applied each side of wood or steel studs.

Q. HOW IS IT USED?

A. Between conventional gypsum wallboard on wood or steel studs. It is not a finished product and should only be used as a backer board.

Q. WHAT ARE ITS ADVANTAGES?

A.
1. Incombustible.
2. Low Cost.
3. Extremely good sound control qualities.
4. Can be ordered in large or small quantities, in cars or trucks of regular gypsum products.
5. It's a gypsum product which is hung, scored, cut and handled in the same manner as gypsum wallboard, which means it's easy to handle and erect.

Q. *HOW DOES ITS PERFORMANCE COMPARE WITH COMPETITIVE PRODUCTS?*

A.

Assembly	Type of Deadening Board	Fire Rating	STC Rating
1. 1 layer *S.D.B. and 1 layer 1/2" Firestop each side 2 x 4 wood studs	Gypsum	1-Hour	45
	Wood Fiber	None	46
	Glass Fiber	Not Recommended for Wood Studs	
2. 1 layer *S.D.B. and 1 layer 5/8" Firestop 3-5/8" steel studs	Gypsum	1-Hour**	49 Est.**
	Wood Fiber	1-Hour	49
	Glass Fiber**	1-Hour**	49 Est.**
Key * = Sound Deadening Board ** = Test Conducted Using 2-1/2" Studs Rather than 3-5/8" Studs			

Q. WHAT IS AN S.T.C. RATING?

A. S.T.C. (Sound Transmission Class) numbers have been adopted by accoustical engineers as a measure of the resistance of a building element such as a wall to the passage of sound. The higher the number, the better the sound barrier.

The following examples show the approximate sound transmission characteristics of walls with varying S.T.C. ratings:

STC 25 – Normal speech easily understood
STC 30 – Loud speech understood fairly well
STC 35 – Loud speech audible but not intelligible
STC 42 – Loud speech audible as a murmer
STC 45 – Must strain to hear loud speech
STC 48 – Some loud speech barely audible
STC 50 – Loud speech not audible

Use of single number averages such as 9 frequency average and 11 frequency average is not recommended. It takes a change of 3 points in the S.T.C. rating to be barely perceptable to the human ear. A 45 S.T.C. rated partition, for all practical purposes, will perform as well as one with a 46 or 47 S.T.C.

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