



# HUSHBOARD®

Sound Deadening Panel



## Low-Density Fiberboard Panel for Noise Reduction

### SIMPLE, LIGHTWEIGHT SOLUTION

HushBoard® panels by Georgia-Pacific are non-structural, fiberboard panels designed to increase sound-transmission resistance when installed in wall and floor/ceiling assemblies for residential and light commercial applications. HushBoard is a low-density material that is easy to cut with a utility knife and simple to apply with common fasteners in both new construction and remodeling projects. In addition, it provides supplemental thermal insulation to help maintain a comfortable interior climate as well. Made with a high percentage of recycled wood-fiber content, HushBoard is environmentally responsible and cost efficient. Install HushBoard when you need a simple, lightweight solution to reduce unwanted noise.



### SIZES

**Thicknesses:** 1/2"\*

**Dimensions:** 4'x8'  
(4'x9' & 4'x10' available)\*\*

**Pieces per Unit:** 95

### APPLICATIONS

- Manufactured for homes, apartments, schools, offices, hospitals or other applications where noise reduction is required.
- Non-structural, sound-deadening panel for wall and floor/ceiling assemblies
- Supplemental thermal insulation panel for wall and floor/ceiling assemblies
- Wall system component material for generic 1-hour-, fire-resistance-rated wall assembly†

\*Other thicknesses available upon request with minimum order quantities.

\*\* Minimum truckload quantity per dimension.

†See GA WP3330



PHYSICAL CHARACTERISTICS	
Thickness (square edge panels)	1/2"*
Width and Length	4' x 8' (4' x 9' & 4' x 10' available)**
Density	15-20 lbs/ft <sup>3</sup>
Weight	0.71 lbs/ft <sup>2</sup>
Thermal Resistance Same as R-Value (ASTM C518 Method)	R=1.32 at 1/2"
Noise Reduction Coefficient (ASTM C423 Method)	0.35
Sound Transmission Class (STC) (ASTM E90 Method)	26
UNITIZATION (1/2" x 4' x 8')	
<b>Pieces/Unit</b>	<b>Units/Truck</b>
95	22
<b>Surface/Unit</b>	<b>Surface/Truck</b>
3,040 sq. ft.	66,880 sq. ft.
<b>Weight/Unit</b>	<b>Weight/Truck</b>
21.7 lbs.	47,740 lbs.

\*Other thicknesses available upon request; subject to minimum order quantities. \*\* Minimum truckload quantity per dimension.

## SPECIFICATIONS COMPLIANCE

HushBoard® panels meet or exceeds the requirements for Type 1, sound-deadening board referenced in **ASTM C208-12** (Standard Specification for Cellulosic Fiber Insulating Board).

## HUSHBOARD IN SOUND ABATEMENT

Lightweight, low-density HushBoard panels work by reducing the sound transfer efficiency of certain noise frequencies as they attempt to pass through partitions from room to room or from exterior to interior. HushBoard combined with 1/2" or 5/8" gypsum board reduces or traps different frequency sounds. The gypsum acts to reduce transmission of lower frequency noise while HushBoard reduces transmission of higher frequencies.

## RATING SOUND TRANSMISSION RESISTANCE

A **Sound Transmission Classification (STC)** value is an overall rating of the amount of transmission loss through a wall assembly (roof or floor) composed of two or more products, through a frequency range from 100 Hz to 5000 Hz (the normal range for hearing).

STC numbers are used by acoustical engineers as a measure of the resistance of a building element (such as a wall, ceiling or floor assembly) to the passage of sound. The higher the STC number, the better the resistance to sound transmission through the wall, roof or floor.

An STC rating of 50 is generally considered good, while a rating of 55 or higher is considered excellent. **Figures 1-3** demonstrate potential STC ratings of typical wall constructions for illustrative purposes only.†

For more information on STC Ratings, please visit [www.fiberboard.org](http://www.fiberboard.org) or [www.stcratings.com](http://www.stcratings.com).

## FIRE-RESISTANCE-RATED ASSEMBLIES

There are no officially recognized fire-rated system assemblies specifically containing HushBoard. There is, however, a generic 1-hour, fire-resistance-rated wall assembly described and tested by the Gypsum Association in File No. WP3330.

For more information, please visit [www.gypsum.org](http://www.gypsum.org).

## INSTALLATION INSTRUCTIONS

HushBoard is a wood fiberboard sound deadening and thermal insulation panel that can add thermal resistance and help deaden sound transmission when used in wall and floor/ceiling assemblies of residential and light commercial buildings. It is a lightweight, easy-to-install material for use in new construction as well as remodeling projects.

Separate, more detailed installation instructions that describe required framing, panel orientation, fasteners, joint spacing, offsets, sealing and other considerations necessary to improve noise management and resistance are available on our website and from your Georgia-Pacific representative.

Fig 1. Wood Stud Wall (STC) 39†

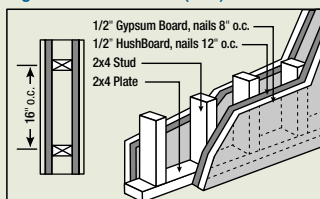


Fig 2. Staggered Stud Wall (STC) 56†

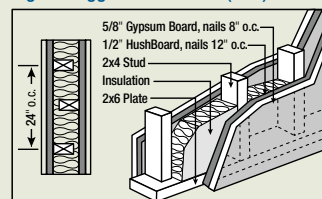
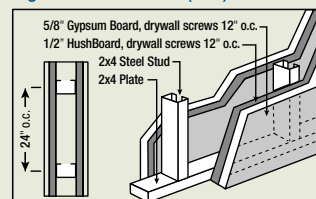


Fig 3. Steel Stud Wall (STC) 49†



†Tests conducted by Riverbank Acoustical Laboratories. The performance values illustrated above are derived from measurements under controlled test conditions and may not reflect performance under actual use conditions.

## GENERAL DESCRIPTION

**Composition:** Cellulosic Wood Fibers and Binders

**Density:** Low Density

## SAFETY & SUSTAINABILITY

- HushBoard contains no added urea formaldehyde.
- Georgia-Pacific procurement practices are certified to conform with the **Sustainable Forestry Initiative®** program objectives 8-20 of Section 2 - SFI 2010-2014.

**Green Building** – The specification and usage of HushBoard can help contribute toward credits in sustainable building rating systems such as LEED, the NAHB Green Building Standard and others:

LEED MR 4: Pre-Consumer Recycled Content

LEED MR 5: Local/Regional Materials (Where applicable)

LEED EQ 4.4: Environmental Quality

(For more information about sustainable building contributions, contact your Georgia-Pacific representative.)

## SPECIAL ORDER: (minimum order quantities)

- Panel Thickness
- Panel Width and Length

## LIMITATIONS:

- HushBoard is not to be used as an exposed wall finish, but should be covered with drywall for fire protection and additional wall finishing.



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