



# SOUNDSTOP®

## SOUNDPROOFING FIBERBOARD

### NO. 004

#### DESCRIPTION

**SOUNDSTOP** fiberboard is a high-quality, cost-effective solution to airborne sound reduction. **SOUNDSTOP** favorably increases both sound transmission class (STC) and outside inside transmission class (OITC) values of walls, ceilings, and floors by absorbing airborne sound vibrations. **SOUNDSTOP** adds sale/resale value to single- and multi-family home builders and owners at a low cost. Meeting national codes and building standards, **SOUNDSTOP** is as versatile as it is effective, perfect in applications ranging from walls to ceilings to floors. **SOUNDSTOP** will exceed your expectations for a quality building product, unmatched in cost-effectiveness and performance.

#### USES

**SOUNDSTOP** can be used in all homes and commercial buildings where airborne noise and sound transmission from room to room needs to be eliminated. The product also blocks outside noise from heavy traffic, blaring horns, airports, children playing, or other exterior noises that are a concern. **SOUNDSTOP** takes shock or sound vibrations that travel through drywall and stops the movement of the sound or shock to the other side. **SOUNDSTOP** deadens sound transfer from shared walls, corridors, media rooms, workshops, laundries, etc.

#### FEATURES/BENEFITS

- Most cost-effective soundproofing solution.
- Creates quieter spaces, added enjoyment, and adds resale value.
- Installs easily behind gypsum drywall.
- Contributes to LEED credits for LEED certification.

#### SIZING/PACKAGING

4' x 8' x 1/2" (46 Pieces per Pallet)  
4' x 9' x 1/2" (90 Pieces per Pallet)

#### SPECIFICATIONS

- Classified by Underwriters Laboratories Inc. to ANSI/UL 263, UL File R25702
- Fire Resistance Rating UL Design No. U387 and U311

#### APPLICATIONS

**SOUNDSTOP** must always be installed behind gypsum drywall in interior wall and ceiling applications or between two layers of sub-floor. Install **SOUNDSTOP** vertically to wall framing with a 1/8" gap between adjoining sheets; at wall, floor and ceiling junctures; and around door and window openings.

**Existing Surfaces** ... Make sure that all light switch and electric outlet covers are removed. Walls must be free of any objects sticking out of the walls and ceiling. Proper size mud rings must be installed to electrical boxes before securing **SOUNDSTOP**. Apply **SOUNDSTOP** by using drywall screws or drywall nails that are long enough to penetrate the wall stud or ceiling joist 3/4". Place a drywall nail or screw in each corner of **SOUNDSTOP** and nails or screws across the middle of each board. Then apply a bead of acoustical caulk where **SOUNDSTOP** meets the ceiling and the sides of the walls and the floor. Always secure nails or screws to studs. Install the second layer of drywall in the opposite direction of **SOUNDSTOP**, making sure that **SOUNDSTOP** and the drywall seams do not line up. This will help prevent the transmission of sound. Be sure that the proper size drywall nails or screws are used during the installation. Nails and screws must be secured to studs whenever installing drywall over **SOUNDSTOP**. Use regular drywall nailing patterns to install the drywall, making sure that the drywall screws or drywall nails are long enough to penetrate the drywall and **SOUNDSTOP** and enter the ceiling joist or the wall stud 3/4". Maximize use of full **SOUNDSTOP** boards to minimize the number of seams.

**New Construction** ... Apply **SOUNDSTOP** vertically with the studs, using proper size drywall nails or screws. Place a drywall nail or screw in each corner of **SOUNDSTOP** and one nail or screw in the middle of each board. Then apply a bead of acoustical caulk where **SOUNDSTOP** meets the ceiling and the sides of the walls and the floor. Next, install the drywall horizontally using the standard drywall nailing pattern. Always secure nails or screws to studs. Maximize use of full **SOUNDSTOP** boards to minimize the number of seams.

**Ceilings in New Construction** ... Place **SOUNDSTOP** on the ceiling running parallel with the joists. Put one drywall nail or drywall screw in each corner of the **SOUNDSTOP** and a row of drywall nails or drywall screws across the middle of each **SOUNDSTOP** sheet. If the outside edges of **SOUNDSTOP** are not secure, more nailing may be required. Use as many full sheets of **SOUNDSTOP** as possible to minimize the number of seams. Install drywall perpendicular to **SOUNDSTOP**, ensuring that no seams of the drywall and **SOUNDSTOP** line up. This will help isolate the sounds. When installing drywall, ensure that drywall nails or drywall screws are long enough to penetrate the drywall and **SOUNDSTOP**. Drive into the ceiling joist at least ¾". The drywall nail or drywall screw length will vary depending on the thickness of the drywall. Multiple layers also will change the length of the drywall nails or drywall screws. Run a bead of acoustical caulking around the edges of the ceiling before starting the walls. Make sure proper width mud rings are installed to the electrical boxes before **SOUNDSTOP** and drywall are installed.

## PRECAUTIONS

Do not install **SOUNDSTOP** directly under carpeting in flooring applications. A 5/8" plywood underlayment must be installed on top of the **SOUNDSTOP** before the carpet is laid. **SOUNDSTOP** must not be used in close proximity to chimneys, heater units, fireplaces, steam pipes, or other surfaces which could provide long-term exposure to excessive heat (maximum 212° F) without adequate thermal protection.

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## MASTERFORMAT NUMBER AND TITLE

09 81 13 – Acoustic Board Insulation.

## LEED INFORMATION

May help contribute to LEED credits:

- MR Credit 2: Construction Waste Management
- MR Credit 4: Recycled Content
- MR Credit 5: Regional Materials
- MR Credit 6: Rapidly Renewable Materials
- IEQ Credit 4.4: Low-Emitting Materials – Composite Wood and Agrifiber Products



**Limited Warranty:** BLUE RIDGE FIBERBOARD, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

**Disclaimer:** The information contained herein is included for illustrative purpose only, and to the best of our knowledge, is accurate and reliable. BLUE RIDE FIBERBOARD, INC. cannot however under any circumstance make any guarantee of results or assume any obligation or liability in connection with the use of this information. As BLUE RIDGE FIBERBOARD, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.