SONIC-SHIELD
soundproofing made simple

APPLICATIONS

Acoustical acrylic sound sealant is an important part of a successful Sonic-Shield® Noise Barrier installation. It was developed for commercial construction where light-weight cavity walls and floors are utilized, and sound rated assembly is required. Examples include unexposed perimeter joints, wood or metal floor and ceiling runners, cut-outs in gypsum drywall and veneer plaster systems.

Acoustical Sealant can also enhance acoustical performance around electrical boxes and outlets, HVAC ducts and returns, and wall penetrations made by utility equipment. Acoustical Sealant effectively seals out drafts and moisture around base and sill plates.
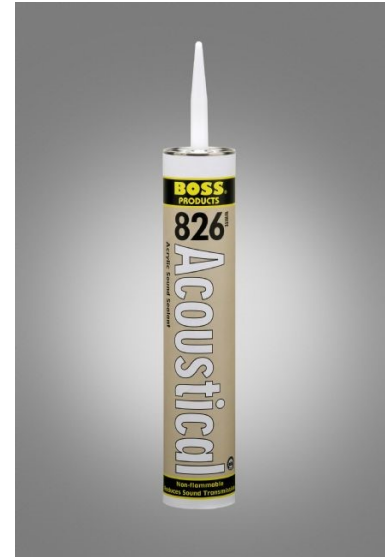
SEALANT INSTALLATION with NOISE BARRIER

All surfaces must be clean, dry and free of any foreign substances that might interfere with adhesion. This includes dust, dirt, oil, moisture etc. Trim cartridge nozzle to desired bead size and puncture inner seal. Recommended bead size is 3/8" and best STC results are obtained by using a double bead of sealant.

The main objective when soundproofing a wall or room is to provide an air- tight envelope. The acoustical sealant is an important tool to accomplish that objective. Starting with the studs in place and electrical outlets in the walls, run a double bead of acoustical sealant at the top plate and bottom plate of wall and ends of wall, doors and windows. Make sure that all surfaces that abut an area that will be protected with Sonic-Shield Noise Barrier are sealed with acoustical sealant.

As you overlap the Noise Barrier pieces, run acoustical sealant inside any seams before sealing seams with seam tape. Run beads of acoustical sealant around any outlet, switch, or vent cutouts before taping.

SPECIFICATIONS

This Acoustical Sealant meets or exceeds the following specifications: ASTM C 919-79, ASTM E 84 -76 (UL 723), (flame spread-5, smoke developed-5), ASTM E 90-85.

CLEAN UP

Uncured sealant can be easily removed using water. If the sealant is cured it must be removed mechanically by cutting and scraping.

Typical Properties

Color	White
% Non-Volatile by Weight	83%
% Volume Shrinkage: ASTM C-733-87	28%
Weight (approx..)	29 oz. Tube
pH	6.9 - 8.8
Tack-Free Time: ASTM D-2377-84	<25 Minutes
VOC	8.6 g/L
Service Temperature	-20°F to 185°F
Application Temperature	40°F to 110°F

DESCRIPTION

Acoustical Sealant is a one-part, non-flammable, latex based product formulated to reduce sound and smoke transmission in all types of wall partition systems. It will achieve a Sound Transmission Class (STC) of 53 when applying it in accordance with ASTM C-919 "Standard Practice for use of Sealants in Acoustical Applications". To achieve the 53 STC, Acoustical Sealant should be applied as two beads of sealant at the top, bottom and all perimeter edges.

It is a non-staining, non-migrating formulation that adheres well to most substrates including wood, metal, concrete and gypsum sheetrock. Acoustical Sealant creates a tough, elastic seal against sound, air infiltration (drafts), smoke and moisture.

FEATURES

- **Meets STC requirements**
- **Non-flammable**
- **Strongly adheres to most substrates**
- **Won't stain or migrate**
- **Low odor**
- **Quick and easy application**
- **Soap and water clean-up**