

JS773 Acoustical Sealant

FLEXIBLE SYNTHETIC RUBBER SEALANT

KEY BENEFITS

- Non Skinning
- STCRating

PRODUCT INFORMATION

DESCRIPTION

A single component, non-skinning, non-hardening synthetic rubber sealant.

USAGE/PURPOSE

- Developed for acoustical sealing of drywall partitions, corridors and party walls.
- Also used as a lap joint and perimeter sealant for polyethylene vapour barriers over fiberglass batt or other insulations.
- May also be used in contact with polystyrene.

LIMITATIONS

Not recommended for:

- Exposed interior applications as it will track on interior finishes.
- Exterior exposed applications as it can not be painted and will pick up dirt.

COLOUR

Dark Grey

PACKAGING

- 200 Litre drums
- 300ml cartridges

TECHNICAL INFORMATION

Sealants are used in the design and construction of drywall partitions between individual residential units and along corridor walls. In the application, a sealant must inhibit air movement and buffer vibration, both of which contribute to sound transmission. Acoustical sealant has been specifically formulated for this purpose by being a heavy density sealant with exceptional adhesion and long term flexibility attributes.

The designed STC value of a partition may be substantially improved through proper sealant placement.

EDGE DETAIL	STC VALUE	COMMENTS
Uncaulked	19	The open-edge crack dropped the STC value from 54lab result to 19 through direct leakage.
Single bead	30	This bead closed under track void but did not seal leakage around the joint between wallboard and track.
Two beads. One under each inner layer of gypsum board.	48	The beads closed void and sealed leakage around track. A tremendous improvement in performance.
Four beads. One on each side plus one under each track	51	The void is closed: no leaks around and wallboard; 3 db improvement in class worthwhile.
Five beads. Two on each side plus one under the track	52	Void is closed. No leakage, but 1 db improvement in class does not justify expense of the fifth bead.
Six beads. Two at each side plus two under the track	54	Void is closed and six beads prevent any possible leakage. Again, improvement does not justify additional expense of two extra beads.

The test partitions consisted of metal studs, 24 o.c., with double layers of 13mm wallboard screw attached to each side. Sound attenuation blanket, 25mm, was placed in the void. The partition panels were erected, shimmed out 3mm at the periphery; top, bottom and edges.

("db" is the abbreviation for decibels, a unit of measuring sound. Generally, the human ear cannot detect a change in sounds of three or less decibels.)



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PERFORMANCE CHARACTERISTICS

PROPERTY OR TEST	EVALUATION METHOD	TYPICAL VALUE
Extrusion Rate	CGSB Method 3.1	Pass
Low Temperature	CGSB Method 11.1	Pass -10°C
Flexibility		
Loss of Mass	CGSB Method 5.1	Pass <20%
Resistance to Sag	CGSB Method 7.1	Pass
Bleeding	CGSB Method 9.2	Pass
Resistance to Cracking/Blistering	CGSB Method 19.2	Pass
Viscosity	Brookfield	1,000,000cps
Application Temperature (Ambient)	N/A	5°C to 35°C
Service Temperature	N/A	-40°C to 38°C

Note: Methods from CAN/CGSB 19.0M as specified in CAN/CGSB 19.21 M87.

VAPOUR BARRIERS

Effective vapour barriers must be continuous and provide a long lasting barrier to air and water migration. Design, product choice and construction are all critical to vapour barrier performance. Typically installed on the wall's warm side over insulation, Acoustical Sealant provides an effective lap joint and edge seal and acts as a temporary adhesive for polyethylene and similar products. It is compatible with, and adheres well, to most vapour barrier products and remains flexible to resist air and water migration.

USAGE GUIDELINES

SURFACE PREPARATION

Joint surfaces must be clean, dry and free from dust, oils, loose mortar, laitance, form release agents, coatings and any other contaminants. Thorough brushing, grinding or solvent wiping may be required to achieve a proper bonding surface. Adheres well to most properly prepared common substrate, such as concrete, drywall, wool, galvanized metal, aluminium, and polyethylene.

APPLICATION

May be gunned using conventional caulking equipment. Apply beads onto substrate and cover within 24 hours to prevent tracking and dirt pickup that may inhibit adhesion of covering materials.

TOOLING

Tooling for aesthetic purposes is not necessary as the sealant is in

hidden applications. The product should be buttered into areas where the cartridge nozzle can not reach.

CURE

Does not cure in order to maintain flexibility and adhesion. Will haze over to develop a slight skin or, as it picks up dirt and dust, will develop a more robust skin.

CLEANUP

Immediately remove all excess sealant or smears as work progresses with a scraper and solvent soaked rag. Mineral spirits or Xylol are acceptable solvents. Do not spray solvent directly onto surfaces as it may contaminate and/or stain the surface.

SHELF LIFE

12 months from date of manufacture when stored in its original unopened packaging in normal storage conditions.

HEALTH & SAFETY PRECAUTIONS

Material Safety Data Sheet must be read and understood before use. This product is not classified as hazardous under worksafe guidelines.

TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales Representatives who provide assistance in the selection and specifications of products. For more detailed information or service and advice call Customer Service on (02) 9638 2755.

GUARANTEE/WARRANTY

We warrant our products to be free of defects and manufactured to meet published physical properties when tested according to applicable specifications and TREMCO standards.

Under this warranty we will provide at no charge, product to replace any product proven to be defective when applied in accordance with our written instructions and in applications recommended by TREMCO as being suitable for this product.

All claims concerning product defects must be made within 12 months of shipment. Absence of such claims in writing during this period will contribute a waiver of all claims with respect to such product. This warranty is in lieu of any and all other warranties expressed or implied.