

Product Description

The STC Mullion Seal™ is a sound isolation strip and fire seal made of solid neoprene rubber for the joint between a gypsum board partition and the mullion of a ribbon window, storefront or curtainwall system. The two-sided rubber tape has patented offset pressure-sensitive adhesive strips (PSA) that allow the Mullion Seal to move due to wind load deflection, thermal expansion and interstory drift without breaking the seal. The STC Mullion Seal™ has been issued US Patent No. 9,797,131.

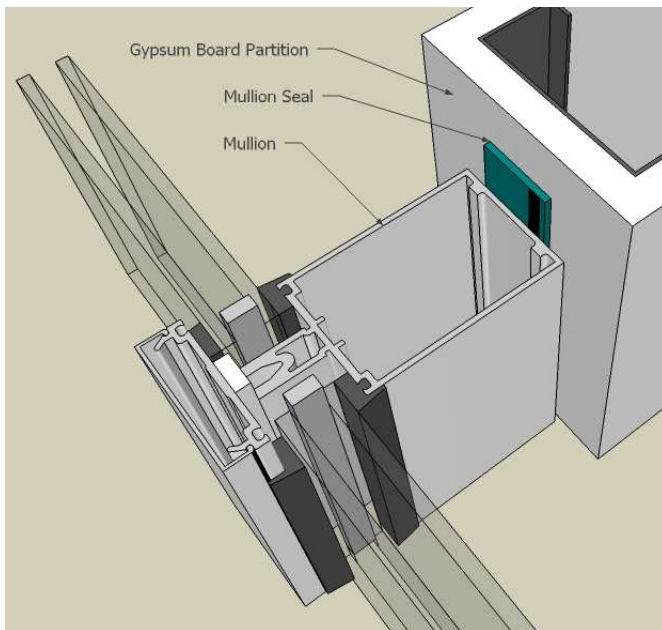


Figure 1: Standard Flat Profile Mullion Seal

Fire Barrier Seals

The STC Mullion Seal meets the requirements of IBC 715.4.2 by filling the void created at the vertical intersection of non-fire-resistance-rated fire barriers and exterior curtain wall systems. It is securely installed and will not loosen or impair its ability to accommodate expected building movements, and to retard the passage of fire and hot gases.

Applications

Partitions that terminate at exterior wall mullions of ribbon windows, storefronts, and curtain walls all need the Mullion Seal to prevent flanking of sound through the joint wherever acoustical privacy and comfort are desired in all types of buildings:

- Offices, Schools, Medical Facilities
- Residential Buildings: Apartments, Condominiums, Hotels, Senior Living and Student Housing.

Specifications

Preformed Acoustical Seal at Mullions (Section 092900 “Gypsum Board”): Neoprene rubber strip with offset pressure-sensitive adhesive for use at joints between window mullions and partitions; increases STC performance at joint by as much as 15 dBA per Small Scale ASTM E 90; STC Sound Control “Mullion Seal.”

Installation

Prior to installing the partition cut the Mullion Seal to length. Carefully remove the cover strip over the adhesive from the side facing the mullion only and set in place. Attach a strip of gypsum board to the web of the end stud. Remove the cover strip over the adhesive from the side facing the partition and firmly position in place applying pressure to set the adhesive. Continue to construct the remainder of the partition.

Availability

Color: Black rubber.

Configurations: Flat strip of rubber, 1-1/2” wide by 1/8” thick, with offset pressure-sensitive adhesive mounting. Available directly from our website <http://stcsoundcontrol.com> or phone (716) 839-0900.

Performance & Physical Properties

Nominal Thickness: 1/8" thick.

Width: 1-1/2"

Length: Manufactured and shipped in 50' rolls, easily cut. Short remains may be butted together.

Sound Transmission Classification (ASTM E 90): Independent testing indicates STC-15 improvement over unsealed gaps (NGC-3016001).

Performance Example

A typical office, 10' x 15' x 9' high, with 160 sabins of sound absorption and a 9' x 15' demising partition terminating at a mullion 6" deep and 8' high, shows a common condition. The mullion occupies less than 3% of the separation. The chart shows the *effective* STC of this separation for various STC values of the partition. The unsealed joint, including the mullion, has an STC-20. The sealed joint has an STC-28, raising the transmission loss from STC-36 to STC-43 for the demising partition, all the sound isolation needed for typical offices.

Maintenance

No maintenance is expected.

Limitations

The paper protection strip over the pressure sensitive adhesive (PSA) has a 2 year shelf life. Install the STC Mullion Seal within 3 months of receipt.

Safe Handling Information

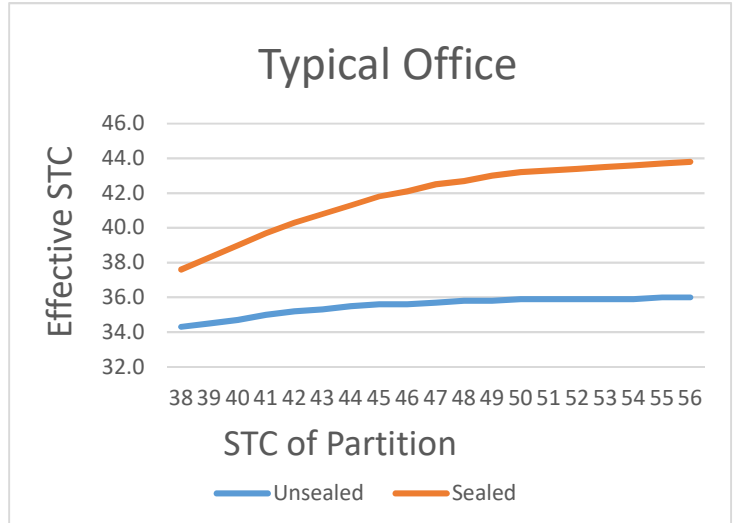
No special precautions required.

Important Notice to User

Many factors will determine the field results including STC and size of the partition, sound absorption in the receiving room, and adequate sealing of other sound flanking paths. Refer to actual sound test reports and analysis for this and any other noise control product.

Warranty

STC Sound Control warrants that the Mullion Seal will be free from defects in material and manufacture. STC makes no other express or implied warranties.



Approval Stamp