

### Product Description

The STC Mullion Seal™ is a sound-sealing isolation strip 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 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 Mullion Seal™ has been issued US Patent No. 9,797,131.

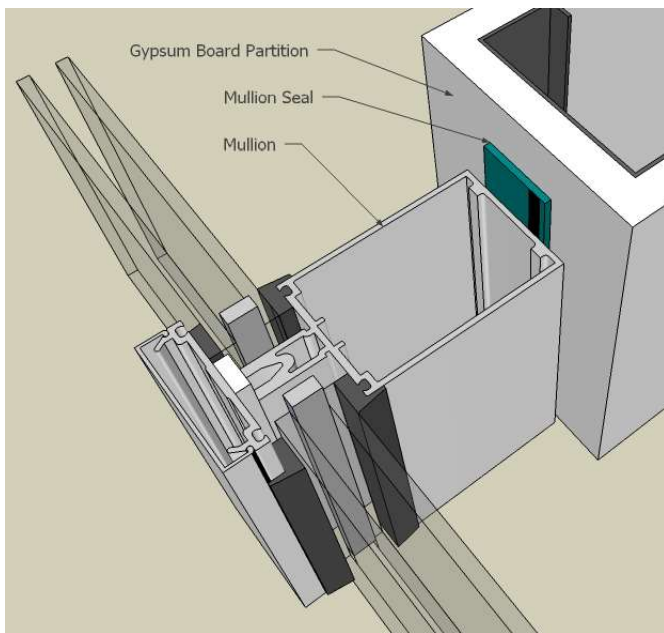


Figure 1: Standard Flat Profile Mullion Seal

### 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 including:

- Offices
- Schools
- Apartments
- Condominiums

- Hotels
- Dormitories
- Medical Facilities

### Specifications

Preformed Acoustical Seal at Mullions (Section 092900 "Gypsum Board" under Auxiliary Materials article): Resilient strip of neoprene rubber with offset pressure-sensitive adhesive mounting for use at joints between partitions and window mullions; increases STC performance of partition by as much as 15 dBA as tested 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. The STC Mullion Seal is available directly from our website <http://stcsoundcontrol.com> or phone (800) 513-9425.

### Performance & Physical Properties

*Nominal Thickness:* 1/8" thick between mullion and partition.

*Width:* 1-1/2"

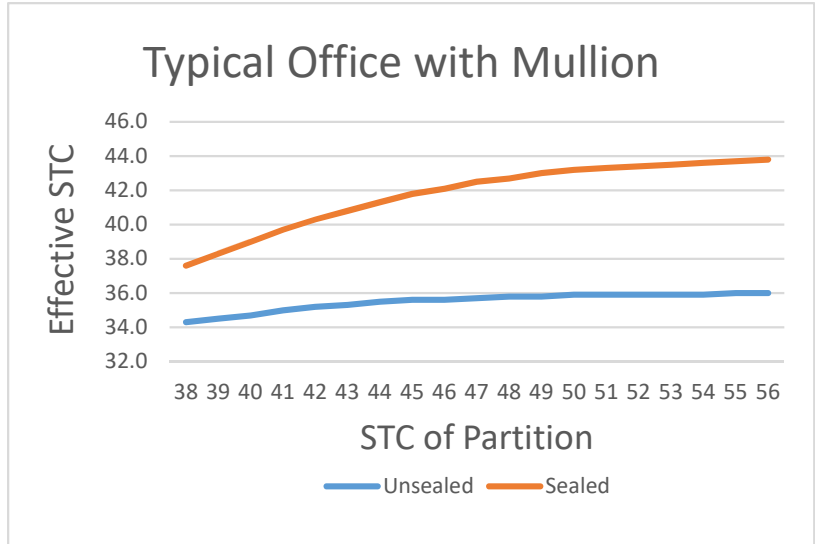
*Length:* Manufactured and shipped in 50' rolls, easily cut. Short remains may be butted together.

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

**Performance Example**

A typical office, 10' wide x 15' wide by 9' high, with 160 sabins and a 9' x 15' partition terminating at a mullion 6" deep and 8' high illustrates a common condition. The mullion occupies less than 3% of the separation, limiting the amount of sound that passes compared to the partition.

The chart at right shows the *effective* STC of this separation for various STC values of the partition. The sealed joint has an STC-28; the unsealed joint has an STC-20 due to a small gap between the mullion and the end of the partition. An *effective* STC-43 is the level necessary 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 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 of the partition, size of 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