

STC Mullion Seal™: Frequently-Asked Questions (FAQ's)

Q: What is the Mullion Seal made of?

A: Neoprene, a dense and resilient rubber selected for its ability to isolate sound and vibrations. Neoprene also remains extremely flexible and does not deteriorate with exposure to ultraviolet light.

Q: Does the Mullion Seal require a partition to be attached to the mullion?

A: No. The interior partition that sits on the floor, and the mullion that is connected to the exterior wall, are allowed to move in relation to each other. The arrangement of patented offset pressure-sensitive adhesive strips (PSA) connect the Mullion Seal to both the partition and the mullion.

Q: Does the Mullion Seal contact the glass?

A: No. It is completely concealed in the void between the mullion and the partition, maintaining clean lines when viewed from both interior and exterior.

Q: How well does the Mullion Seal perform?

A: Sound transmission between adjacent rooms is sealed at the flanking path, and the Mullion Seal isolates structure-borne exterior vibration and noise from passing from the mullion into the partition and radiating into the room. Independent tests by NGC show a substantial Transmission Loss of 15 dBA between sealed and unsealed joints. The Mullion Seal has an STC-28, including the mullion, and an effective STC-43 in typical office situations, all the sound isolation needed for flanking paths.

Q: How are the Mullion Seals installed?

A: 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.

Q: Can the Mullion Seal be used for fire barriers that meet mullions?

A: Yes, the Mullion Seal meets the requirements of IBC 715.4.2, filling the void created at the vertical intersection of non-fire-resistance-rated exterior curtain wall assemblies and fire barriers. It is securely installed and will not loosen or otherwise impair its ability to accommodate expected building movements and to retard the passage of fire and hot gases due to its patented offset adhesives.

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