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QuietJoint

Sound, draft, heat, cold, and dust blocking acoustic joint filler for interior, non-moving joints and gaps.



QuietJoint-SHH is coated on two faces and is ideal for gaps between opaque or solid partitions or walls. The coating can be the same color on both faces or different on each face to coordinate with wall coverings.



QuietJoint-SHG is coated on a third face and is typically used to fill gaps between the glass of curtainwall or windows on one side and solid substrates on the other. The third coating aesthetically covers the foam core so that the foam is not visible through the glass. The coating can be the same color on all three faces or different on each face to coordinate with wall coverings. (Note: color transitions between different faces may blur).

Colorized, versatile and ideally suited to filling gaps between the ends of permanent, semi-permanent, or movable partitions, head-of-wall and other conditions.

For vertical and horizontal-plane joint-gaps from 1/2" (12mm) to 6" (150mm).

Features:

- 26 standard silicone colors
- custom Colors
- non-invasive anchoring
- thermally insulating
- acoustic dampening
- rapid installation
- economical

Self-extinguishing, fire-retardant-acrylic-impregnated foam, factory pre-coated with high-quality silicone. *Clean handling, UV stable, non-staining, low temperature flexible, high-temperature stable.*

Supplied in full-story, 10-foot lengths, uncompressed and slightly oversized, material is compressed by hand and squeezed into the gap or opening. The material folds in its center along a tooled crease to absorb slight variations in substrates. The internal backpressure of the material locks it to the joint faces.

Sound Attenuation--Independent laboratory tested to control the passage of airborne sound.

- 2" (50mm) standard depth - one side of wall only		- 2" (50mm) standard depth - both sides of wall	
	STC 53 OITC 38 <small>*when tested in a STC 56 (OITC 38) wall</small>		STC 72 OITC 60 <small>*when tested in a STC 72 (OITC 61) wall</small>

Independent laboratory tested to **ASTM E90-09**, "Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements".

Visit emseal.com for the independent laboratory test report (.pdf)



ABOVE: QuietJoint SHG installed between window glass and end of wall partition. The third silicone side faces the glass. The silicone color of this sample is Dow 790 Sandstone and was chosen deliberately to contrast with the surrounding colors. A "Bronze" color choice would allow the QuietJoint to coordinate completely with the bronze mullion.

This image was shot with a short piece of QuietJoint for illustration purposes. In reality the 10-LF supply lengths would allow installation in the entire run without any joins. In close-up the installation looks like this:



Color-switching can be used with QuietJoint to coordinate with bands of color in a wall's color scheme.

Insulation Value--Control HVAC balance and energy loss between rooms.

The R-value of QuietJoint foam is R-2.848/inch of depth.

Depending on the joint size and related depth, the R-value of the material will be:

Material	R-Value (installed one side of joint)	R-Value (installed both sides of joint)
1/2" to 4.75" with 2" depth (12mm to 120mm with 50mm depth)	5.696	*11.39+
5" to 6" wide with 3-inch depth (125mm to 150mm with 75mm depth)	8.544	*17.088+

*Assumes installation from both sides of the wall thereby doubling the R-value. The inclusion of an air gap between the two pieces of QuietJoint will add additional insulation, effectively more than doubling the R-value.

Independent laboratory tested to **ASTM C518-04** "Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus".

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Material Sizing:

QuietJoint is available in 1/4-inch (6mm) increments for field-measured joint openings from 1/2" (12mm) up to 6-inches (150mm) with depths according to the following chart:

Joint Sizes	Depth of Seal	Length
1/2 - 4.75" (12 - 120mm)	2" (50mm)	10-ft (3 meters)
5 - 6" (125 - 150mm)	3" (75mm)	10-ft (3 meters)

Material Configurations--Double and triple-sided options:

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Colors: Available in 26 standard colors. Also available in custom colors subject to minimum order requirements--visit emseal.com to view color selection.

Limitations: Over compressing QuietJoint can result in backpressure that could exceed the ability of certain substrates to resist this pressure. User is assumed to have tested all applications to ensure suitability for use.

Not intended for use in moving joints. Not trafficable. For watertight, moving structural joint gaps see SEISMIC COLORSEAL and COLORSEAL at EMSEAL Product and Application Index at www.emseal.com.