**Product Description**

**QuietJoint** is a sound, draft, heat, cold, and dust blocking acoustic partition closure and joint filler for interior, non-moving joints and gaps.

It is a non-mechanical, high-STC (Sound Transmission Class), non-invasively anchored closure that quickly and easily mates partitions to windows, mullions, or stud walls. QuietJoint also blocks sound transmission between rooms.

This product is colorized, versatile, and ideally suited as a closure for gaps between the ends of permanent, semi-permanent, or movable partitions, window-wall, curtain-wall, head-of-wall and other conditions.

QuietJoint features a mass-loaded fire-resistant foam core coated with commercial-grade silicone. The foam core is a custom-density open-cell foam infused with a fire-resistant, acrylic-based mass-loading agent.

**Material Configuration**

QuietJoint comes coated on either 2 sides (SHH) or 3 sides (SHG).

**SHH** (two-sided silicone) is ideal for gaps between opaque or solid partitions, walls or mullions.

**SHG** (three-sided silicone) 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 from the outside through the glass.

**Uses and Applications**

- End of partition to mullion (SHH 2-sided coating)
- End of partition to window (SHG 3-sided coating)
- End of partition to wall (SHH)
- Head of wall (SHH)
- To block any flanking path
- To fill construction-created voids and gaps

**Features**

- Mass-loaded acoustic seal (STC-53, OITC-38, ASTM E-90)
- Fire-resistant (Smoke and Flame Spread Class A, ASTM E-84-12)
- Insulates (R-value 2.85/in depth, ASTM C-518-04)
- Sound attenuating
- Non-mechanical
- Non-metallic
- Rapid installation—new or retrofit
- Non-invasive anchoring
- Practical and versatile
- Easily handles curves
- Helps control HVAC balance between rooms

**Sound Attenuation**

Independent laboratory tested to control passage of airborne sound.

- **2” (50mm) standard depth**
  - One side of wall only
  - STC 53
  - OITC 38

*When tested in a STC 56 (OITC 38) wall*

- **2” (50mm) standard depth**
  - Both sides of wall
  - STC 72
  - OITC 60

*When tested in a STC 72 (OITC 61) wall*


---

**QuietJoint SHH coated two-sides**

**QuietJoint SHG coated three-sides**
Colors
- Available in many industry standard colors
- Custom colors
- 3-sided SHG is manufactured with the same color on all three sides.

Standard Sizes
Available in 1/4-inch increments for field-measured joint opening widths of 1-inch (25mm) to 6-inch (150mm). Supplied in 10-foot (3-meter) lengths which allows installation in most locations without any joins. QuietJoint is supplied in full-story, 10-foot (3-meter) lengths, and is shipped in loosely laid coils inside a cardboard box.

<table>
<thead>
<tr>
<th>Joint Widths</th>
<th>Depth of Seal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” - 4.75”</td>
<td>2” (50mm)</td>
</tr>
<tr>
<td>5” - 6”</td>
<td>3” (75mm)</td>
</tr>
</tbody>
</table>

Insulation Value
QuietJoint helps to 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:

<table>
<thead>
<tr>
<th>Material</th>
<th>R-Value (Installed one side of joint)</th>
<th>R-Value (Installed both sides of joint)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” to 4 3/4” width with 2” depth</td>
<td>5.696</td>
<td>11.39+ *</td>
</tr>
<tr>
<td>(25mm to 120mm with 50mm depth)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5” to 6” width with 3” depth</td>
<td>8.544</td>
<td>17.09+ *</td>
</tr>
<tr>
<td>(125mm to 150mm with 75mm depth)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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.


Installation Overview
Being careful not to stretch it, the material is laid out and cut to the desired length. QuietJoint is positioned over the joint opening and squeezed by hand to ease it into the joint. The silicone coating folds at its edges to absorb slight variations in substrates while maintaining a smooth appearance. Once in desired location, a plastic putty knife is used to tuck the edges of the silicone against the substrates to remove any wrinkles. The internal backpressure of the material mates it to the mullion or other joint faces. In higher end finish applications QuietJoint can be installed behind finish trim (by others) to achieve a desired aesthetic.

Performance Limitations
Overcompressing 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.


Availability & Price
QuietJoint is available for shipment internationally. Prices are available from local representatives and/or directly from the manufacturer. The product range is continually being updated, and accordingly EMSEAL® reserves the right to modify or withdraw any product without prior notice.