**Product Data Sheet**

**DESCRIPTION**
Willseal Seismic is a one-step primary sealant for exposed areas where color matching is important. It has a puncture resistant, elastomeric coating on the exterior surface, which can be factory colored to match most construction substrates or sealants. The joint is watertight and color matched.

**MATERIAL**
Willseal Seismic is an open micro-cell polyurethane foam impregnated with a hydrophobic, acrylic polymer sealing compound. It is designed to provide a watertight, dust-proof, airtight, UV stable, chemically resistant, sound-proof, and insulated primary seal. Willseal Seismic, by its design, is inherently insulating and sound deadening. Willseal Seismic is a monolithic foam sealant that will not delaminate like multi-layer products that are comprised of unbonded vertical foam strips. Willseal Seismic has been independent lab tested to ASTM 330, 331, 283 & 547 for water and air penetration. It has been tested and passes TAS 202/203 requirements for hurricane force exposure. Contact Willseal for complete details.

**COLORS**
- Dow Corning® 790 Colors
- Pecora 890NST Colors
- Request actual color charts for exact match

**DIMENSIONS**
- Joint sizes from 1/2” to 8” in sticks
- Custom sizes available upon request
- Factory supplied transitions available

**APPLICATIONS**
- Primary construction joints
- Vertical movement joints (for horizontal applications use Willseal Seismic HS or consult willseal technical support)
- Expansion, control, and isolation joints
- Retrofit and seismic joints
- Precast concrete walls, tilt-up walls
- Exterior panel systems - Masonry, Granite, Metal, EIFS, Curtain Walls
- Joints requiring a resilient, waterproof seal
- Larger joints requiring an architectural finish

**TYPICAL PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal Conductivity</td>
<td></td>
<td>0.03 W/m.°C</td>
</tr>
<tr>
<td>Temperature Stability Range</td>
<td></td>
<td>-40°F (-40°C) to 185°F (85°C)</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D 3574</td>
<td>21 psi min.</td>
</tr>
<tr>
<td>Ultimate Elongation</td>
<td>ASTM D 3574</td>
<td>125% ±20%</td>
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<tr>
<td>Resistance to Compression Set</td>
<td></td>
<td>Max 2.5%</td>
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<tr>
<td>Shear Strength</td>
<td></td>
<td>Min 8N/cm²</td>
</tr>
<tr>
<td>Mildew Resistance</td>
<td></td>
<td>Excellent</td>
</tr>
<tr>
<td>Staining</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Flammability</td>
<td>UL 94VO Meets CAL 117</td>
<td>Self Extinguishing</td>
</tr>
<tr>
<td>Flash Point</td>
<td></td>
<td>390°F (310°C)</td>
</tr>
<tr>
<td>Durometer Hardness</td>
<td>ASTM D2240</td>
<td>Shore A 15pts.</td>
</tr>
</tbody>
</table>

**DOW CORNING® 790 COLORS**

**PECORA 890NST COLORS**
ADVANTAGES

- Accommodates rapid rates of joint movement
- Supplied in pre-compressed state for ease of installation
- Does not rely on the silicone coating or on the adhesion of a field applied bead of sealant to provide a watertight seal
- Consistent depth of product
- Excellent compression recovery
- Permanently elastic and weather-tight
- Used for joints up to 8” wide
- Allows for up to 100% (±50%) movement
- Not based on wax, asphalt or bitumastic impregnation

NOT INTENDED FOR

- Joints submerged in water or below grade, use Willseal Coreseal
- Joints in contact with harsh chemicals unless polysulfide or other chemically resistant sealant is used
- Joints requiring pick resistance, use Willseal Seismic with durable, pick-resistant urethane
- Joints in roofing applications

LIMITATIONS/TECHNIQUES

- Joints must be sized by measuring every 5-7 feet to ensure gap opening is uniform and depth is sufficient for the supplied material
- For joints 4” and larger, do not install when substrate or ambient temperatures are below 40°F (4.5°C) or above 95°F (35°C). Consult Willseal for extreme temperature installation information
- Will not adhere to surfaces contaminated by oil or grease. Concrete should be clean & sound
- If ambient storage temperatures are below 50°F store material at a min of 68°F for a minimum of 24 hours prior to installation, regardless of temperature at location of installation
- Store material in a dry, enclosed area, off the ground, and out of direct sunlight
- Do not install when raining or snowing

PREPARATION FOR INSTALLATION

- Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the joint sealant
- Check material for the appropriate lengths, widths, and depths
- Prepare the material for seams and proper lengths

INSTALLATION

(see supplied installation data for complete procedures)

- Run a 3/8” bead of the supplied silicone adhesive along both sides of the joint approximately ½” – ¾” back from the substrate surface, for larger joints use the supplied epoxy
- When fully prepared to install, open the sealant material by removing the shrink packaging and masonite strapping
- Remove the white or clear release liner on both sides of the material
- Insert the material into the joint while pressing the material against the side of the joint activating the PSA (Pressure Sensitive Adhesive)
- Tool the silicone over all seams and transitions to allow for a clean, aesthetic finish

CLEAN UP

- Remove any excess silicone left on the surface of the material or substrate
- Remove all waste materials from the jobsite
- Do not reuse waste material
- Leave site to the satisfaction of the owner/architect

WARRANTY

- Project specific warranty details and terms are available from Willseal
- Due to superior nature of the design of Willseal materials, warranties are typically longer than competitive products