



TECHNICAL DATA SHEET

WILLSEAL® SEISMIC

Pre-Compressed Expansion Seal

PRODUCT DESCRIPTION

Willseal® Seismic is a pre-compressed, self-expanding, open micro-cell polyurethane foam impregnated with a hydrophobic, acrylic polymer and coated with a factory-applied silicone sealant. It is designed to provide a watertight, dust-proof, noise-reducing, thermally insulating, and UV stable primary seal that does not require invasive anchoring for installation.

BASIC USES

Typically used as an external joint sealant, Willseal Seismic can be used as a primary seal in vertical applications. The following are acceptable applications for Willseal Seismic:

- Primary expansion, control, isolation joints
- Primary construction joints
- Retrofit and seismic joints
- Vertical expansion joints (use Willseal Seismic HS for horizontal joints)
- Joints in pre-cast concrete, masonry, brick, and facades
- Exterior insulation finish systems (EIFS)
- Exterior panel systems (masonry, granite, metal, curtainwalls)

FEATURES & BENEFITS

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.

- Allows for up to 100% ($\pm$ 50%) movement
- Accommodates rapid rates of joint movement
- Has excellent compression recovery

Willseal Seismic is supplied in pre-compressed state for ease of installation. To further the ease of use, Willseal Seismic can be applied in various weather and temperature conditions. The material is not based on wax, asphalt, or bitumastic impregnation.

- Utilizes non-invasive anchoring
- No unbonded laminations

AVAILABILITY

Available in joint sizes from ½" to 8" in sticks (6.5 ft lengths) from your authorized Tremco distributor, or any Tremco or Willseal Sales Representative. Custom sizes and factory supplied transitions are available upon request. For more information contact Customer Service by phone at 800-274-2813 or email custserv@willseal.com.

COLORS

Available factory coated with silicone sealant in Tremco standard Spectrem colors: White, Precast White, Ivory, Sandstone, Buff, Off-White, Limestone, Anodized Aluminum, Gray, Aluminum Stone, Light Bronze, Champagne, Dusty Rose, Adobe Tan, Rustic Brick, Charcoal, Bronze, Dark Bronze, and Black. Industry standard colors and custom colors available upon request.

LIMITATIONS

Avoid contact of Willseal Seismic with hydrocarbon solvents, solvent based paints, and corrosive chemicals. Willseal Seismic will not adhere to surfaces contaminated by oil or grease. Concrete should be clean, dry, and sound before installing Willseal Seismic. Do not install when substrate or ambient temperatures are below -14°F (-25°C) or above 95°F (35°C). Consult a Tremco or Willseal Sales Representative for extreme temperature installation information.

WARRANTY

A repair or replacement warranty is available on all Willseal products. Visit <https://www.tremcosealants.com/warranties/> for details.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULTS
Foam Color		Black
Temperature Stability Range		-40 to 185 °F (-40 to 85 °C)
Staining		None
Flash Point		590 °F (310 °C)
Thermal Conductivity	ASTM C518	0.05 W/m•°C
Tensile Strength	ASTM D3574	21 psi min*
Ultimate Elongation	ASTM D3574	125% ± 20%
Compression Set	ASTM D3574	2.5% max
STC	ASTM E90-09	54
OITC	ASTM E90-09	48
Flammability	UL 94VO; Meets CAL 117	Self-Extinguishing
Durometer Hardness	ASTM D2240	Shore A 15 pts
Shear Strength		Min 8 N/cm ²

**Attachment method of Willseal Seismic was in a single joint compressed to 50% of original foam thickness. Joint material was constructed of calcium silicate board and is representative of field installation of the product.*

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Willseal Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

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