

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

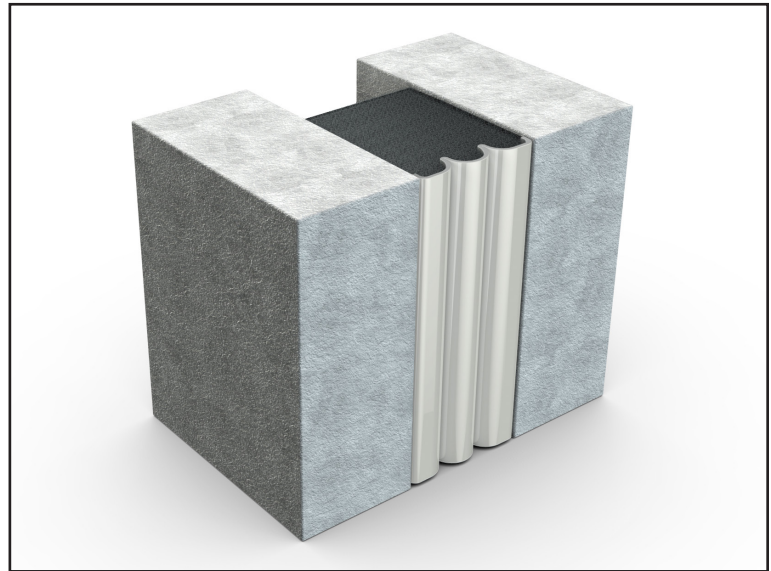
- Dow Corning® 790 Colors
- Pecora 890NST Colors
- Request actual color charts for exact match

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
- Pre-cast 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

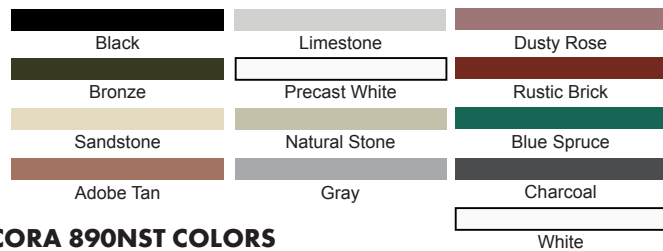


*Willseal Seismic does not rely on the external fillet bead to provide a watertight seal.

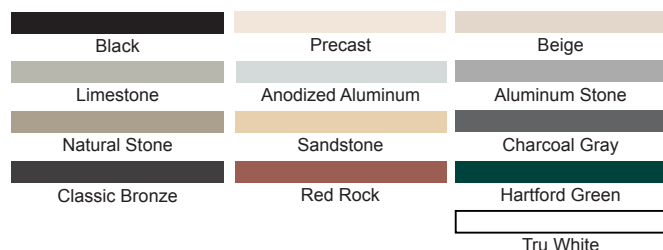
TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	VALUE
Thermal Conductivity		0.05 W/m.°C
Temperature Stability Range		-40°F (-40°C) to 185°F (85°C)
Tensile Strength	ASTM D 3574	21 psi min.
Ultimate Elongation	ASTM D 3574	125% ±20%
Resistance to Compression Set		Max 2.5%
Shear Strength		Min 8N/cm ²
Mildew Resistance		Excellent
Staining		None
Flammability	UL 94VO Meets CAL 117	Self Extinguishing
Flash Point		590°F (310°C)
Durometer Hardness	ASTM D2240	Shore A 1.5pts.

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% ($\pm 50\%$) 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 1/2" – 3/4" 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