

**DESCRIPTION**

Willseal Color Coreseal V is a vertical dense, closed cell foam typically used for larger movement joints. It has a colorized silicone skin on the exposed face which provides a chemically resistant, puncture resistant and waterproof joint. Due to its strong closed cell structure, it has excellent compression, tension and shear capabilities. It is installed with a lubricating sealant that facilitates installation and when cured, permanently bonds the Willseal Color Coreseal V in place.

**MATERIAL**

Monolithic foam sealant that will not delaminate like multi-layer products that does not rely on silicone coating or the adhesion of a field applied bead of sealant to provide a watertight seal. Independent lab tested to ASTM 330, 331, 283 & 547 for water and air penetration.

Willseal Color Coreseal V is by its design inherently insulating and sound deadening. Its unique foam profile reduces tension at the bond line and allows for a much longer service life than competitive products. (See cyclical test results for proof of its resistance to compression set).

**COLORS**

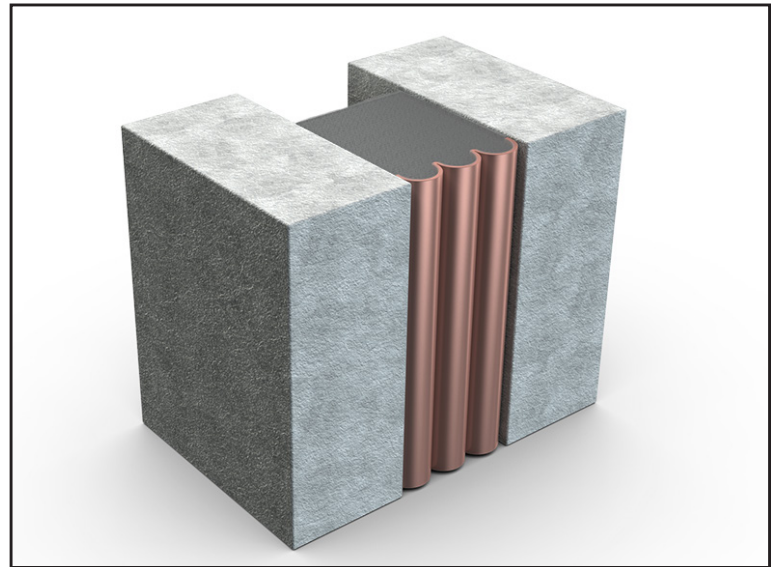
- Dow Corning® 790 colors
- Pecora 890NST colors
- Pick resistant option available in Tru-White & Limestone
- Custom colors available upon request

**DIMENSIONS**

- Joint sizes from 1/2" to 12" in sticks
- Custom sizes available upon request

**APPLICATIONS**

- Primary vertical joints
- Seismic, large & retrofit joints
- Large expansion joints requiring an architectural finish

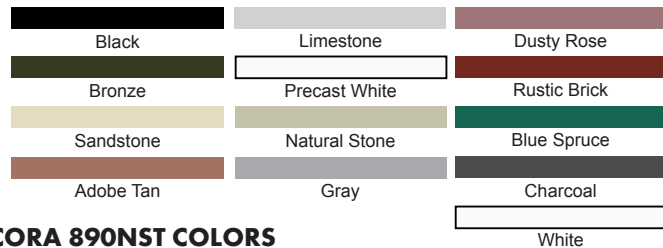


\* Willseal Color Coreseal V does not rely on the external fillet bead to provide a watertight seal.

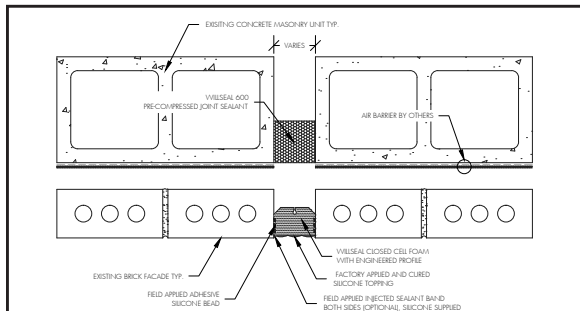
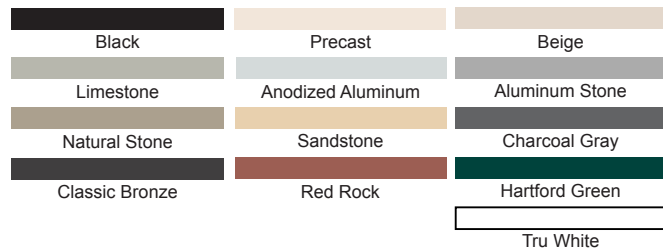
**TYPICAL PHYSICAL PROPERTIES**

PROPERTY	TEST METHOD	VALUE
Density	ASTM D3575	2.3lb/cu.ft.
Thermal Conductivity	ASTM C177	0.05 W/m.°C
Tensile Strength	ASTM D3575	21 psi min.
Tensile Elongation	ASTM D3575	125% ±20%
Tear Resistance	ASTM D624	Max 2.5%
Water Absorption	ASTM D3575	Min 8N/cm <sup>2</sup>
Weather Resistance	ASTM D1499	Excellent
Cyclical Testing	ASTM E1399	Class II & III (+/-25%)
Primary Surface Weathering	Atlas Weatherometer	Passed/None
Durometer Hardness	ASTM D2240	Shore A 15pts.

**DOW CORNING® 790 COLORS**



**PECORA 890NST COLORS**



# willseal® Color Coreséal V

## CLOSED CELL FOAM WITH SILICONE FACE FOR VERTICAL APPLICATIONS

### ADVANTAGES

- Accommodates rapid rates of joint movement (ASTM E 1399, Class II & III)
- Made from a monolithic foam that will not delaminate like multi-layer or compression bonded products
- Does not rely on the silicone coating or on the field applied bead of sealant to provide a watertight seal (ASTM 330, 331 & 547 tested and passed with and without the silicone face)
- Because it is installed & compressed from a size larger than the mean joint size, the material is not subject to adhesive & cohesive forces
- Consistent depth of product, can be supplied in custom depths
- Used for joints up to 12" wide
- Allows for up to 50% (±25%) movement
- Light weight

### NOT INTENDED FOR

- Joints submerged in water
- Joints in contact with harsh chemicals unless polysulfide finish sealant is used
- Joints in roofing applications as primary seal
- Cross joints in copings and projecting stone work

### 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
- 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 minimum of 68°F for a minimum of 24 hours prior to installation, regardless of temperature at location of installation

### CORE FOAM MATERIAL

Isopropyl Alcohol	Excellent	Linseed Oil	Excellent
Naphtha	Excellent	Motor Oil #30	Excellent
Clorox	Excellent	Acetic Acid 5%	Excellent
Ethylene Glycol	Excellent	Hydrochloric Acid Conc.	Excellent
Butyl/Ethyl Acetate	Excellent	Nitric Acid	Excellent

### 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 1/4" bead of the supplied silicone adhesive along both sides of the joint approximately 1/2" – 3/4" back from the substrate surface/edge
- Compress Willseal Color Coreséal V and insert the material into the joint until top is recessed at least 1/8"
- 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 job site
- 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 the superior nature of Willseal's material design, warranties are typically longer than competitive products