



TECHNICAL DATA SHEET

WILLSEAL® COLOR CORESEAL V

Flexible Closed Cell Foam,
Primary Vertical Seal

PRODUCT DESCRIPTION

Willseal® Color Coreseal V is a lightweight, preformed closed-cell ethylene vinyl acetate (EVA) copolymer foam with a pre-cured, factory-applied sealant coating. It is designed to provide a watertight, dust-proof, airtight, 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 Color Coreseal V is engineered to perform as a primary joint sealant in vertical applications. It has a colored silicone skin on the exposed face to ensure chemical and puncture resistance in a waterproof joint. Due to its strong closed-cell structure, it has excellent compression, tension, and shear capabilities. The following are acceptable applications for Willseal Color Coreseal V:

- Vertical expansion joints
- Primary construction joints
- Expansion, control, and isolation joints
- Seismic, large, and retrofit 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

FEATURES & BENEFITS

Willseal Color Coreseal V is a compressible system that is impermeable to water and provides a watertight seal in dynamic joints. It accommodates for rapid rates of joint movement and allows for up to 50% movement ($\pm 25\%$ movement).

- Monolithic construction for standard sizes – will not delaminate
- Does not rely on the silicone coating or field applied bead to provide a watertight seal
- Silicone skin provides chemical and puncture resistance
- Supplied uncompressed 25% over the mean joint size as a standard
- Utilizes non-invasive anchoring
- Suitable for joints up to 10" wide

AVAILABILITY

Available in joint sizes from ½" to 10" in sticks (6 ft lengths) from your authorized Tremco distributor, or any Tremco or Willseal Sales Representative. Custom sizes 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 Color Coreseal V with harsh chemicals unless a polysulfide finish sealant is used. Not intended for joints requiring over $\pm 50\%$ movement (100% total movement). Do not use in joints submerged in water nor cross joints in copings and projecting stonework.

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 | | Gray or Black (<i>black by special request only</i>) |
| Temperature Stability Range | | -40 to 130 °F (-40 to 54°C) |
| Ideal Storage Temperature | | 68 °F (20 °C) |
| Tensile Strength | ASTM D3575 | 74 ± 21 psi |
| Tear Resistance | ASTM D3575 | 13.5 ± 20% lbf/in |
| Density | ASTM D3575 | 2.3 ± 20% |
| Elongation at Break | ASTM D3575 | 275 ± 25% |
| Water Absorption, 7 Days | DIN 53428 | 1% volume max |
| UV Resistance | DIN 18542 | Pass |
| Silicone Elongation | N/A | Never under tension, exceeds maximum movement range (>125%) |
| Silicone Flexibility | N/A | Excellent |
| Compression Set | Full cycle tested in an environmental chamber through the stated temperature stability range | Will not delaminate due to thermal shock or compression set |

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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