



TECHNICAL DATA SHEET

WILLSEAL® COLOR CORESEAL SAF-V

Flexible Closed Cell Safety Foam,
Primary Vertical Seal

PRODUCT DESCRIPTION

Willseal® Color Coreseal SAF-V is a lightweight, preformed closed-cell ethylene vinyl acetate (EVA) copolymer foam with a pre-cured, factory-applied pick-resistant sealant coating. It is designed to provide a watertight, dust-proof, airtight, noise-reducing, thermally insulating, and UV stable primary seal for areas that can be easily damaged or vandalized in institutional or other public buildings.

BASIC USES

Typically used as an internal or external joint sealant, Willseal Color Coreseal SAF-V is engineered to perform as a primary joint sealant in vertical applications. It has a colorized hybrid polyurethane skin on the exposed face to ensure a pick-resistant waterproof joint as required in schools, detention facilities, hospitals, prisons, and other government facilities. Due to its strong closed-cell structure, it has excellent compression, tension, and shear capabilities. The following are acceptable applications for Willseal Color Coreseal SAF-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, curtain walls)
- Joints requiring a resilient, tamper-resistant seal
- Larger joints requiring an architectural finish

FEATURES & BENEFITS

Willseal Color Coreseal SAF-V is a compressible system that is impermeable to water and provides a watertight, pick-resistant seal in dynamic joints. It 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
- Supplied uncompressed 25% over the mean joint size as a standard
- Utilizes non-invasive anchoring
- Suitable for joints up to 10" wide
- Sealant facer hardens to 50 ± 10 Shore A durometer

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 in True White and Limestone. Custom colors are available upon request.

LIMITATIONS

Avoid contact of Willseal Color Coreseal SAF-V with harsh chemicals. Not intended for joints requiring over $\pm 25\%$ movement (50% total movement). Do not use in joints submerged in water nor cross joints in copings and projecting stonework. Will not adhere to surfaces contaminated by oil or grease. Concrete should clean, dry, and sound before application.

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
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

Sealant Coating:

Hardness (Shore A)*	ASTM C661	50 ± 10
Adhesion to Concrete	ASTM C794	25 to 47 pli
% Elongation	ASTM D412	175 to 300%
Tear Strength	ASTM D624	40 ± 5 psi
Tensile Strength	ASTM D412	250 psi

*Hardness may fluctuate from this value due to variations in humidity and temperature.

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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