

## DATA SHEET

### Product Description

Willseal® Coreseal SAF-V is a lightweight, preformed closed-cell ethylene vinyl acetate (EVA) copolymer foam with a pre-cured, factory-applied pick-resistant sealant. 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 sealant in vertical applications. It has a colorized hybrid polyurethane skin on the exposed face for a pick-resistant waterproof joint 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. It meets all applicable standards for compressible. The following are acceptable applications for Willseal Color Coreseal SAF-V:

- Vertical expansion joints
- Primary construction joints
- Expansion, control and isolation joints
- Retrofit & seismic 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 Coreseal SAF-V is a compressible system that is impermeable to water and provides a watertight pick resistant seal.

- Allows for up to 50% ( $\pm 25\%$ ) movement
- Monolithic construction for standard sizes – will not delaminate
- Does not rely on the sealant 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
- Used for joints up to 10" wide
- Sealant hardens to 50  $\pm$  10 Shore A durometer

### Colors

- Tru White, Limestone
- Custom colors upon request and may require a minimum order quantity.

### Packaging

- Joint sizes from 1/2" to 10" in sticks (6 ft lengths)
- Custom sizes available upon request

### Availability

Willseal Coreseal V is available from your authorized Tremco distributor, or any Tremco or Willseal Sales Representative. For more information contact Customer Service by phone at 800-416.0500 or email [custserv@willseal.com](mailto:custserv@willseal.com).

### Limitations

- Do not subject to harsh chemicals such as acids, strong alkalis, ketones, etc.
- Not intended for joints requiring over  $\pm 25\%$  (50% total) movement
- Joints submerged in water
- Cross joints in copings and projecting stonework
- Will not adhere to surfaces contaminated by oil or grease. Concrete should clean, dry & sound.

### Storage

Store material in a dry, enclosed area, off the ground, and out of direct sunlight. Store material at a minimum of 68 °F (20 °C). If ambient storage temperatures fall below 50 °F (10 °C), warm material up to 68 °F (20 °C) for a minimum of 24 hours prior to installation, regardless of temperature at location of installation.

### Warranty

Willseal Products are warranted to be free of defects in materials, but no warranty is made as to appearance or color. No other warranty, expressed or implied, is made with respect to Willseal Products, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy under this warranty shall be to replace or refund the purchase price of the quantity of Willseal Products proven to be defective, and there is no liability whatsoever for other loss or damage.

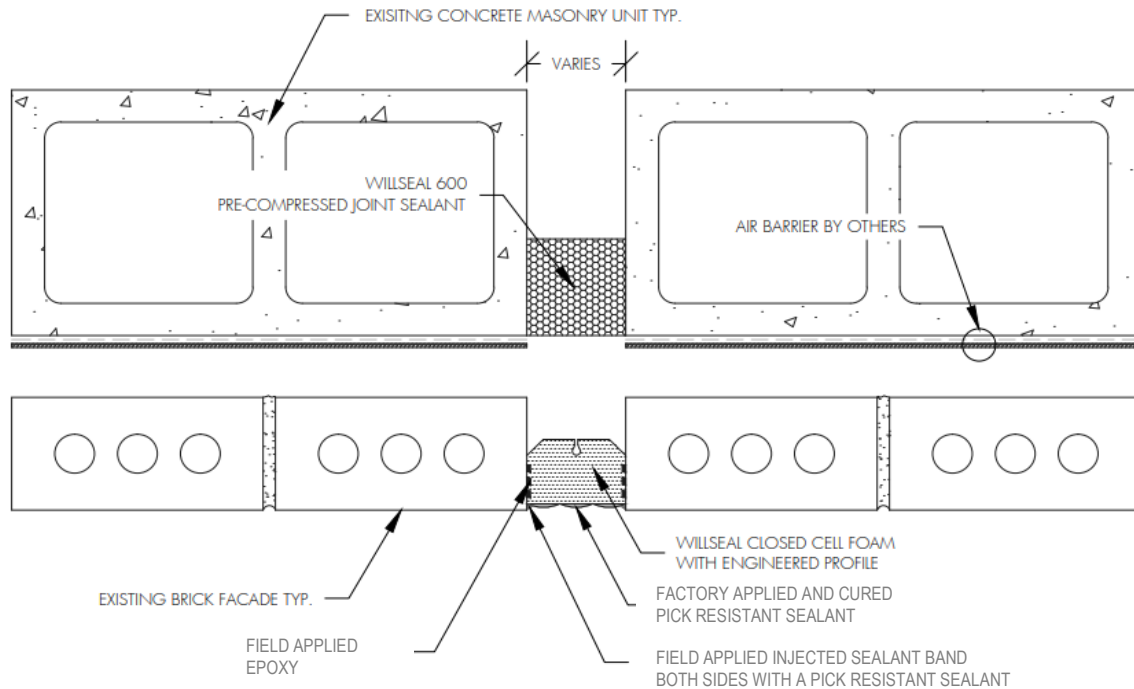
Please refer to our website at [www.willseal.com](http://www.willseal.com) for the most up-to-date Product Data Sheets.

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

**TYPICAL PHYSICAL PROPERTIES**

| PROPERTY                         | DESCRIPTION  |  |
|----------------------------------|--|--|
| Foam Color                       | Grey   |  |
| Temperature Stability Range      | - 40 °F (- 40 °C) to 130 °F (54 °C)  |  |
| Ideal Storage Temperature        | 68 °F (20 °C)  |  |
| PROPERTY                         | TEST METHOD  | TYPICAL RESULTS  |
| UV Resistance                    | DIN 18542  | Pass   |
| Silicone Elongation              | N/A  | Never under tension and 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    |
| Tensile Strength                 | ASTM D 3575 Suffix T   | 74 psi +/-21   |
| Tear Resistance                  | ASTM D 3575 Suffix G   | 13.5 lbf/in +/-20%   |
| Density                          | ASTM D 3575 Suffix W   | 2.3 +/-20%   |
| Elongation at Break              | ASTM D 3575 Suffix T   | 275% +/-25%  |
| Water Absorption, 7 days         | DIN 53428  | 1% volume max  |
| SEALANT PROPERTY                 | TEST METHOD  | TYPICAL RESULTS  |
| Hardness, Shore A Ultimate*      | ASTM C 661   | 50+/-10  |
| Adhesion to Concrete (pli)       | ASTM C 794   | 25-47  |
| Elongation, ultimate (%)         | ASTM D 412   | 175-300  |
| Tear Strength (ppi)              | ASTM D 624   | 40+/-5   |
| Tensile Strength, ultimate (psi) | ASTM D 412   | 250  |

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



**0720/WCSSAF-V-DS**

Please refer to our website at [www.willseal.com](http://www.willseal.com) for the most up-to-date Data Sheet.

**Willseal, A Tremco Affiliate Brand**

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