

## DATA SHEET

### Product Description

Willseal® FR-V is a fire-rated, pre-compressed, watertight, UV stable foam, with an integral smoke barrier within the foam body, sound-attenuating expansion joint with a pre-cured, factory-applied sealant applied to the face. FR-V is comprised of a fire-retardant impregnated foam designed to be used in vertical expansion joints by itself, but it can also be used behind any other expansion joint cover, plate or filler where joint depth allows.

### Basic Uses

Willseal FR-V is designed for use in vertical expansion joints either coated on a single side or both based on the fire-rated system requirements.:

- Vertical fire-rated expansion joint systems
- Primary construction joints
- Expansion, control, and isolation joints
- Retrofit & seismic joints
- Joints requiring a resilient, waterproof seal
- Larger joints requiring an architectural finish

### Features & Benefits

Willseal FR-V has been tested and certified under UL 2079 and includes an integral smoke barrier. Willseal FR-V is available in both uncoated and sealant coated configurations; as a standard Willseal FR-V is coated with traffic-grade sealants.

- Allows for up to 100% ( $\pm 50\%$ ) movement
- Accommodates rapid rates of joint movement
- 2 & 3 hour fire rated sea when installed in accordance with a tested firestop system
- STC rating of 54, OITC rating of 48
- Integrated smoke barrier prevents toxic gases and fumes from passing thru the joint.
- Excellent compression recovery
- Supplied in pre-compressed state for ease of installation
- Utilizes non-invasive anchoring

### Colors

- Tremco 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, Black
- Industry standard colors, custom colors upon request.

### Packaging

- Joint sizes from 1/2" to 6" in sticks (6.5 ft lengths)
- Depth of seal is typically 4". Refer to UL listings at [www.UL.com](http://www.UL.com).
- Custom lengths are available by requests where applicable.

### Fire Rated Systems

For a full list of UL tested systems contact Willseal Technical Services or refer to UL website at [www.ul.com](http://www.ul.com).

### Applicable Standards

- UL 2079 (ASTM E1966)
- UL 263 (ASTM E119)
- ASTM E1399

### Availability

Willseal FR-V is available from your authorized Tremco or Willseal distributor, or any Tremco or Willseal Sales Representative. For more information contact Customer Service by phone at 800-274-2813 or email [custserv@willseal.com](mailto:custserv@willseal.com).

### Limitations

- Not recommended for use with passive fire containment systems not listed or approved by Willseal.

### Storage

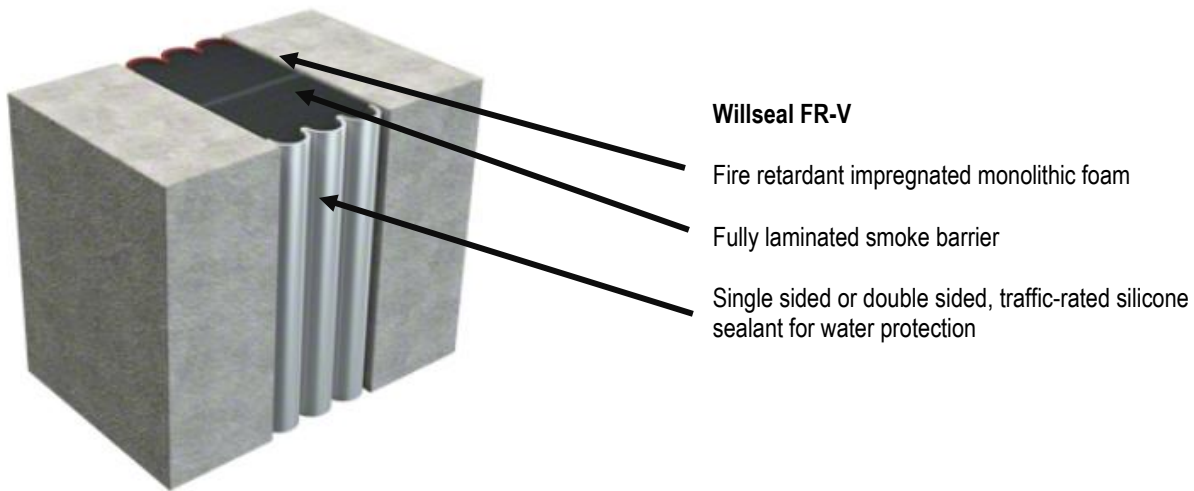
Store material in a dry, enclosed area, off the ground, and out of direct sunlight. Store material at a minimum of 68 °F (20 °C). If ambient storage temperatures fall below 50 °F (10 °C), warm material up to 68 °F (20 °C) for a minimum of 24 hours prior to installation, regardless of temperature at location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



**0420/WFR-V-DS**

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**Willseal, A Tremco Affiliate Brand**

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