

Application Instructions

1. Purpose

- 1.1 The purpose of this document is to establish typical guidelines for installation of Willseal® FR/ SAF-V. The techniques involved may require modifications to adjust to jobsite conditions. Consult your local Willseal or Tremco Sales Representative or Tremco Technical Services for specific design requirements.

2. Scope

- 2.1 This document will provide the necessary instructions for installation of Willseal FR/SAF-V to qualify for a manufacturer's warranty.

3. Storage

- 3.1 Store materials in a dry, enclosed area, making sure materials are off the ground and out of direct sunlight
- 3.2 Material will expand faster when hot and slower when cold. In cold temperatures, store material in a heated area 24 hours prior to installation. In hot temperatures, store material out of direct sunlight and not in an enclosed storage container where temperatures may exceed 100°F.

4. Substrate Preparation

- 4.1 Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the joint sealant.
- 4.2 Use compressed air to clean any loose debris from the joint.
- 4.3 Apply water or alcohol to a clean cloth and wipe the joint walls to the depth of the sealant material plus 1"
- 4.4 Verify that the joint is uniform and repair any spalls prior to installation
- 4.5 Check the material for appropriate length, width, and depth
- 4.6 Supplied material should be pre-compressed to a size smaller than the intended joint opening.
- 4.7 Joint depth must allow for the installed material to be recessed 1/4" from the substrate surface

5. Application Procedure

- 5.1 When fully prepared to install, apply a 1/16" - 1/8" coating of the supplied epoxy mixture to both joint walls using a 1" margin trowel to a depth of the sealant material plus 1/2"
- 5.2 The epoxy must still be wet upon installation of Willseal FR/SAF-V; The working time for epoxy is approximately 30 minutes depending on the temperature
- 5.3 If the epoxy hardens on the surface of the substrate before installation, another coat of epoxy can be applied within 2 hours. After 2 hours, the substrate surface must be abraded to eliminate the amine blush that occurs during the final cure
- 5.4 Cut the shrink packaging along the edge of the Masonite strapping
- 5.5 Verify that the material is cut square at both ends for proper seams; all pieces must be square to the termination point.
- 5.6 Pay attention to the direction of insertion marked on the packaging
- 5.7 Be prepared to install the material immediately once the packaging is removed to prevent the material from expanding past the joint width
- 5.8 Recess joint 1/4" from the substrate surface.

6. Joints, Sidewall and Finishing Work

- 6.1 Verify that the new piece of material is cut square and not at an angle to the previous piece installed
- 6.2 Apply supplied Fire-Rated joint splice adhesive to the butt end of the new piece of material
- 6.3 Do not apply Fire-Rated joint splice adhesive to the faces of the product that are in contact with the sidewall adhesive
- 6.4 Overlap extra material (approximately 1/2" - 1") at seams and splices to ensure that the seam is in compression after installation
- 6.5 Make sure seams are flush against each other and then push the pieces together
- 6.6 Butt seam all "T" and "+" intersections
- 6.7 Once the joint is installed, run and tool a 1/4" bead of the supplied pick resistant sealant along both sides of the face of the joint along the substrate face
- 6.8 Run and tool the supplied pick resistant accessory over all seams and transitions to allow for a clean, aesthetic finish
- 6.9 Remove any excess adhesive material left on the surface of the material substrate; do not allow the excess adhesives to cure.

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Please refer to our website at www.willseal.com for the most up-to-date Application Instructions.

Willseal, A Tremco Affiliate Brand

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