



DATA SHEET

Product Description

Willseal® Seismic SAF-V is a pre-compressed, self-expanding open micro-cell polyurethane foam impregnated with a hydrophobic, acrylic polymer and coated with a factory-applied pick-resistant sealant. It is designed to provide a watertight, dust-proof, 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 in areas that require a tamper-resistant seal found in schools, detention facilities, day cares, hospitals, prisons, and other government facilities.

Willseal Seismic SAF-V can be used as a primary seal in vertical applications. The following are acceptable applications for Willseal Seismic SAF:

- Primary expansion, control, isolation
- Primary construction joints
- Retrofit and seismic joints
- Vertical expansion joints (Willseal Seismic SAF/H for horizontal joints)
- Joints in pre-cast concrete, masonry, brick and facades
- Exterior panel systems (masonry, granite, metal, curtainwalls)

Features & Benefits

Willseal® Seismic SAF is a one-step primary seal for exposed areas where color matching is important. It has a puncture-resistant, elastomeric coating on the exterior surface.

- Allows for up to 100% ($\pm 50\%$) movement
- Tamper-resistant
- Is supplied in pre-compressed state for ease of installation
- Utilizes non-invasive anchoring
- Is not based on wax, asphalt or bitumastic impregnation
- Abrasion and tear resistant coating
- No unbonded laminations
- Sealant hardens to 50 ± 10 Shore A durometer
- Meets UL94V0, Cal 117 for self-extinguishing

Colors

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

Packaging

- Joint sizes from 1/2" to 8" in sticks (6.5 ft lengths)
- Custom lengths are available by requests where applicable and may require a minimum order quantity.

Availability

Willseal Seismic SAF 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.

Limitations

- Do not subject to harsh chemicals such as acids, strong alkalis, ketones, etc.
- Do not install when substrate or ambient temperatures are below -40°F (4.5°C) or above 95°F (35°C). Consult a Tremco or Willseal Sales Representative for extreme temperature installation information
- 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.

Expansion Time

Material will self-expand to fill the joint. Expansion time will vary based on humidity, temperature and storage conditions for the prior 24 hours. Estimated expansion time at 50% R.H. @ 70°F (21°C) is approximately 1-2 minutes. Material will continue to expand and equalize in the joint.

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 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.

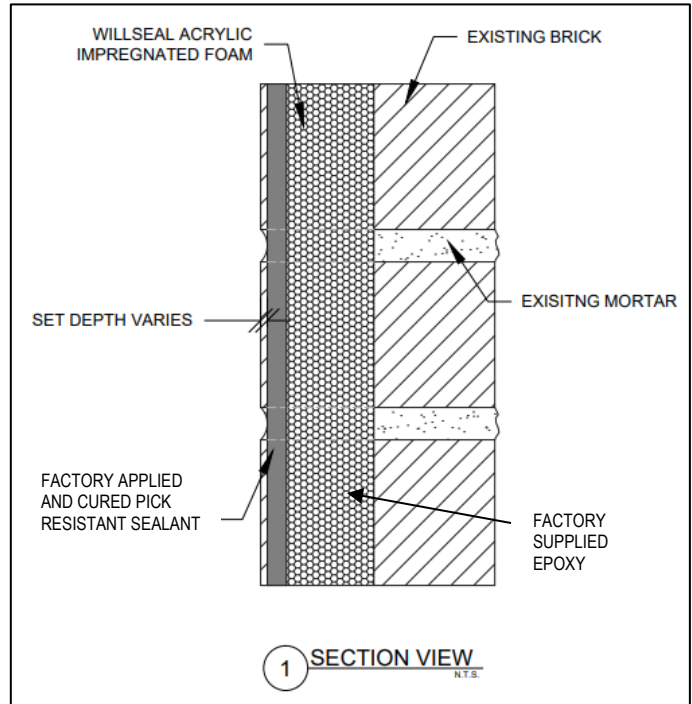
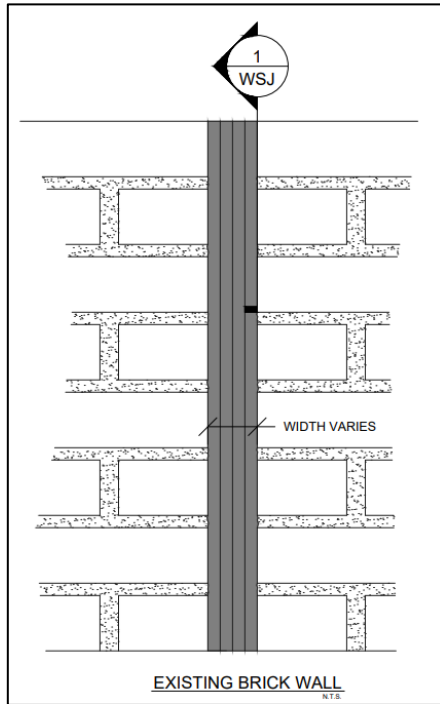
TYPICAL PHYSICAL PROPERTIES

PROPERTY	DESCRIPTION
Foam Color	Black
Temperature Stability Range	- 40°F (- 40°C) to 185°F (85°C)
Staining	None
Flash Point	590°F (310°C)

PROPERTY	TEST METHOD	TYPICAL RESULTS
Thermal Conductivity	ASTM C518	0.05 W/m.-°C
Tensile Strength	ASTM D3574	21 psi min. ¹
Ultimate Elongation	ASTM D3574	125% +/- 20%
Compression Set	ASTM D3574	2.5% max.
STC	ASTM E90-09	54
OITC	ASTM E90-09	47
Flame Spread and Smoke Development	ASTM E 84-12	Class A/I (Flame Spread 5; Smoke Development 5)
Flammability	UL 94VO Meets CAL 117	Self-Extinguishing
Durometer Hardness	ASTM D2240	Shore A 15pts.
Shear Strength		Min 8N/cm ²

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

¹ Attachment method of Willseal Seismic was in a single joint compressed to 50% of original foam thickness. Joint material was constructed of calcium silicate board and is representative of field installation of the product.



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Willseal, A Tremco Affiliate Brand