

## DATA SHEET

### Product Description

Willseal® 250 is a pre-compressed, self-expanding open micro-cell polyurethane foam impregnated with a hydrophobic, acrylic polymer sealing compound coated with a factory-applied silicone sealant. It is designed to provide a watertight, dust-proof, airtight, noise-reducing, thermally insulating, and UV stable primary seal that does not require invasive anchoring for installation.

### Basic Uses

Typically used as an external joint sealant, engineered to perform in horizontal applications subject to solvents and fuels such as those found in parking garages, road and bridge joints, and airport runways. The following are acceptable applications for Willseal 250:

- Primary horizontal expansion for vehicular traffic
- Primary horizontal expansion for pedestrian traffic
- Parking garages
- Stadiums
- Plaza Decks on grade
- Airport taxiways and runways

### Features & Benefits

Willseal® 250 is specifically designed to provide a maximum seal in structures with shear and rapid movement.

- Allows for up to 100% ( $\pm 50\%$ ) movement
- Accommodates rapid rates of joint movement
- Has excellent compression recovery
- Supplied in pre-compressed state for ease of installation
- Utilizes non-invasive anchoring
- Not based on wax, asphalt or bitumastic impregnation
- Monolithic construction – no unbonded laminations

### Availability

Willseal 250 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).

### Colors

- Concrete Grey
- Highway Grey
- Traffic- Grade Black

### Limitations

- Avoid contact of Willseal 250 with hydrocarbon solvents, solvent based paints, and corrosive chemicals.
- Do not install when substrate or ambient temperatures are below -14°F (-25°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.

### Packaging

- Joint sizes from 1/2" to 6" in sticks (6.5 ft lengths)
- Custom sizes available upon request

### 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 minute. May differ for wider, thicker material. Material will continue to expand and equalize in the joint.

### Warranty

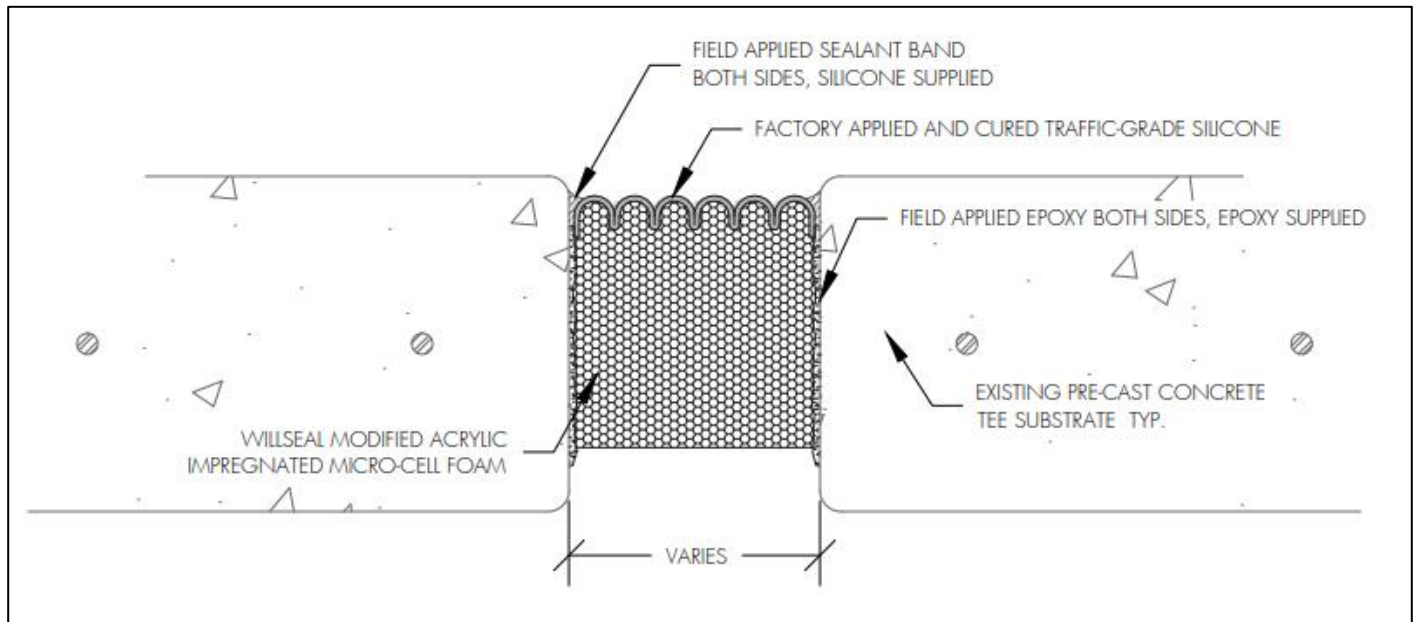
Willseal Products are warranted to be free of defects in materials, but no warranty is made as to appearance or color. No other warranty, expressed or implied, is made with respect to Willseal Products, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive 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](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	Black	
TEMPERATURE STABILITY RANGE	-40°F (-40°C) to 185° F (80°C)	
IDEAL STORAGE TEMPERATURE	68°F (20°C)	
PROPERTY	TEST METHOD	TYPICAL RESULTS
UV RESISTANCE	DIN 18542	Pass
ULTIMATE ELONGATION	N/A	Exceeds rated maximum extension without tension
SURFACE TEMPERATURE RANGE	ASTM C711	-40°F (-40°C) to 190°F (87.7°C)
SILICONE ELONGATION	N/A	Never under tension and exceeds maximum movement range (>1000%)
SILICONE FLEXIBILITY	N/A	Excellent
RESISTANCE TO COMPRESSION SET	Full cycle tested in an environmental chamber through the stated temperature stability range	No bleeding when compressed to minimum of claimed movement of normal size and when simultaneously heated to 190°F for 3 hours.
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



**0420/W250-DS**

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**Willseal, A Tremco Affiliate Brand**

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