
PRODUCT DESCRIPTION

Willseal® 250-R is a patent-protected expansion joint system which combines the performance and reliability of Willseal 250 with reinforcing members positioned beneath the sealant face to support higher point loads.

Willseal 250-R consists of 3 construction elements:

- Impregnated Foam Core: A foundation of pre-compressed, self-expanding open micro-cell polyurethane foam impregnated with a hydrophobic, self-extinguishing acrylic polymer with an engineered profile to receive the reinforcing members.
- Sealant Face: Factory applied coating of traffic-rated silicone
- Reinforcing Member: Factory integrated reinforcement members positioned beneath sealant face.



BASIC USES

Typically used as a joint sealant for both interior and exterior high foot traffic areas, engineered to perform in horizontal applications. The following are acceptable applications for Willseal 250-R:

- Primary horizontal expansion for vehicular traffic
- Primary horizontal expansion for pedestrian traffic
- Parking garages
- Stadiums
- Plaza Decks
- Skyways
- Mall entrances
- Concourses

US Patents:
No. 9739049
No. 9951515



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Hudson, NH 03051

FEATURES & BENEFITS

Willseal 250-R is specifically designed to provide a maximum seal in structures with shear and rapid movement. The reinforced members provide stability across the joint under pedestrian traffic.

- Positioned reinforcing members provide increased point load capability
- Surface load transfer
- Allows for up to 100% ($\pm 50\%$) movement
- Accommodates rapid rate of movement
- Excellent compression recovery
- Supplied in pre-compressed state for ease of installation
- Utilizes non-invasive anchoring

AVAILABILITY

Willseal 250-R 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.

COLORS

- Concrete Grey
- Highway Grey
- Traffic-Black
- Custom colors available upon request



TRAFFIC-GRADE BLACK



HIGHWAY GREY



CONCRETE GREY

LIMITATIONS

- Avoid contact of Willseal 250-R 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 4" 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 warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Willseal makes no other warranty, expressed, or implied including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Willseal Products. Willseal's sole obligation shall be, at its option, to replace or refund the purchase price of the quantity of Willseal Products proven to be defective, and Willseal shall not be liable for any loss or damage.

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 (88 °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

