



TECHNICAL DATA SHEET

WILLSEAL® 250

Horizontal Seal with
Traffic Grade Silicone

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. Acceptable applications for Willseal 250 include 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
- Utilizes non-invasive anchoring
- Not based on wax, asphalt or bitumastic impregnation
- Monolithic construction – no unbonded laminations

Willseal 250 is supplied in a pre-compressed state for ease of installation. Material will self-expand to fill the joint. Expansion time will vary based on humidity, temperature, and storage conditions for the prior 24 hours; may differ for wider, thicker material. Material will continue to expand and equalize in the joint.

AVAILABILITY

Available in joint sizes from ½" to 6" sticks (6.5 ft lengths) from your authorized Tremco distributor, or any Tremco or Willseal Sales Representative. Custom sizes are available upon request. For more information contact Customer Service by phone at 800-274-2813 or email custserv@willseal.com.

COLORS

Willseal 250 is available in Concrete Gray, Highway Gray, and Traffic-Grade Black. Custom colors are available upon request.

LIMITATIONS

For any gap wider than 3" a cover plate is required. Consult a Tremco or Willseal Sales Representative for additional information.

Avoid contact of Willseal 250 with hydrocarbon solvents, solvent based paints, and corrosive chemicals. Will not adhere to surfaces contaminated by oil or grease. Concrete should clean, dry & sound. 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.

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

A repair or replacement warranty is available on all Willseal products. Visit <https://www.tremcosealants.com/warranties/> for details.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULTS
Foam Color		Black
Temperature Stability Range		-40 to 185 °F (-40 to 80 °C)
Ideal Storage Temperature		68 °F (20 °C)
UV Resistance	DIN 18542	Pass
Ultimate Elongation		Exceeds rated maximum extension without tension
Surface Temperate Range	ASTM C711	-40 to 190 °F (-40 to 87.7 °C)
Silicone Elongation		Never under tension and exceeds maximum movement range (>1,000%)
Silicone Flexibility		Excellent
Resistance to Compression Set	Full cycle tested in an environmental chamber through the state 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 state temperature stability range	Will not delaminate due to thermal shock or compression set

Please refer to our website at www.tremcosealants.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.

W250DS/1222

Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.

