



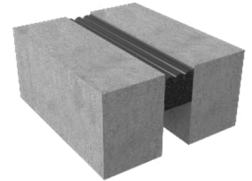
# TECHNICAL DATA SHEET

## WILLSEAL® 250-B Pre-Compressed Horizontal Road and Bridge Expansion Joint

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### PRODUCT DESCRIPTION

Willseal® 250-B is a pre-compressed, self-expanding foam joint sealant with a highway grade silicone coating engineered to perform in primary horizontal applications such as road and bridge joints. The pre-compressed foam core is saturated with a hydrophobic acrylic emulsion and coated with a fuel-resistant silicone sealant, allowing it to provide an optimal primary seal that is waterproof to rain and snow at the surface level. Willseal 250-B is specifically designed to provide a maximum seal in structures with shear and rapid movement in joints from ½" to 4".



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### BASIC USES

Willseal 250-B provides a primary horizontal seal in road joints, bridge joints, and approach slabs where shear and rapid movement are expected.

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### FEATURES & BENEFITS

Willseal 250-B is designated as a dual expansion joint seal, specifically designed for rapid cycling and thermal shock, as well as exposure to common automotive oils/fuels and jet fuel (per FHA PL06). Willseal 250-B accommodates rapid rates of joint movement, allowing for up to ± 60% movement from the mean joint size.

Willseal 250-B is supplied in a pre-compressed state for ease of installation and excels in joints up to 4" wide. The material will self-expand to fill the joint. Expansion time will vary based on humidity, temperature, and storage conditions for the prior 24 hours and may differ for wider, thicker material. The material will continue to expand and equalize in the joint. The material will permanently conform to varied joint contours, acting in a true tensionless system. Additionally, Willseal 250-B utilizes non invasive anchoring and leaves no unbonded laminations.

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### AVAILABILITY

Available in joint sizes from 1/2" to 4" sticks (6.5 ft lengths) from your authorized Tremco 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).

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### COLORS

Available with a factory applied Traffic-Grade Black silicone sealant face.

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### LIMITATIONS

Do not install Willseal 250-B when substrate or ambient temperatures are below 40°F (4°C). Do not install when raining or snowing. If ambient storage temperatures are below 50°F (10°C), store material at a minimum of 68°F (20°C) for a minimum of 24 hours prior to installation, regardless of temperature at location of installation. Store material in a dry, enclosed area, off the ground, and out of direct sunlight.

Joints must be sized by measuring every 5 to 7 ft (1.5 to 2.1 m) to ensure gap opening is uniform and depth is sufficient for the supplied material. Willseal 250-B will not adhere to surfaces contaminated by oil or grease.

This product is not intended for the following:

- Joints continuously submerged in water
- Joints in continuous contact with harsh chemicals
- Joints in roofing applications or areas with occupied space

## 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                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Acrylic Impregnation          |                                                                                              | Proprietary, hydrophobic polymer                                                                                                       |
| Density                       | ASTM D545                                                                                    | 7+ lb/ft <sup>3</sup> (16+ kg/m <sup>3</sup> )                                                                                         |
| UV Resistance                 | ASTM C793<br>ASTM G155<br>DIN 18542                                                          | Pass<br>Pass<br>Pass                                                                                                                   |
| Tensile Strength              | ASTM D3574                                                                                   | 16.8 psi (116 kPa)                                                                                                                     |
| Surface Temperature Range     | ASTM C711                                                                                    | -40 to 190 °F (-40 to 88 °C)                                                                                                           |
| Temperature Stability Range   | No transfer of sealant                                                                       | -40 to 185 °F (-40 to 85 °C)                                                                                                           |
| 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 nominal size and when simultaneously heated to 190 °F (88°C) for 3 hours |
| Compression Set               | ASTM D545                                                                                    | < 2%, will not delaminate due to thermal shock or compression set                                                                      |
| Sealant Elongation            |                                                                                              | > 1000%, never under tension, exceeds maximum movement range                                                                           |
| Movement Cycling              | ASTM E1399                                                                                   | Pass, ± 60%                                                                                                                            |

Please refer to our website at [www.tremcosealants.com](http://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.

WDS-250B/0124



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.



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