

# WILLSEAL® 250-B

Pre-Compressed Horizontal Road and Bridge Expansion Joint

## Product Overview

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. Willseal 250-B, with its silicone cap, provides a primary seal, and is waterproof to rain and snow, at the surface level, making it an optimal primary sealant. Willseal 250-B is specifically designed to provide a maximum seal in structures with shear and rapid movement. Willseal 250-B is manufactured at the highest level of quality and specially engineered for maximum performance in joints from ½" to 4".



## Basic Uses

Willseal 250-B provides a primary horizontal seal. Willseal 250-B is specifically designed to provide a maximum seal in structures with shear and rapid movement, including road and bridge joints, and approach slabs.

## Features & Benefits

- Ease of installation
- 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, it allows for up  $\pm 60\%$  movement from the mean joint size.
- Permanently conforms to varying joint contours, acting in a true tensionless system. Additionally, Willseal 250-B utilizes non invasive anchoring and leaves no unbonded laminations.
- Material will self-expand to fill the joint and equalize in the joint



# Unique Properties

- Accommodates rapid rates of joint movement
- Excellent compression recovery
- Permanently conforms to varying joint contours
- Consistent depth of product
- Resilient and flexible to -20° F (long term)
- Designated for exposure to common automotive oils and fuels

## Colors

- Black



## Typical Physical Properties

PROPERTY	TEST METHOD	VALUE
Acrylic Impregnation		Proprietary, hydrophobic polymer
Density	ASTM D545	7+ lbf/ft <sup>3</sup> (16+ kg/m <sup>3</sup> )
UV Resistance	ASTM C793 ASTM G155 DIN 18542	Pass Pass 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%

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