

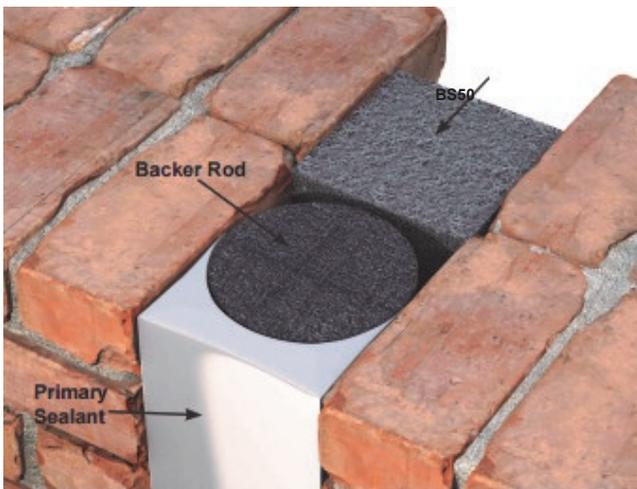
# BS50-Series

## Description

The BS50-Series foam seal is composed of a high density, open micro-cell polyurethane foam impregnated with a hydrophobic, flame retardant, modified acrylic. The BS50 performs as a redundant secondary seal independent of the surface caulking.

The BS50 provides a watertight, dustproof, airtight, UV stable, chemically resistant soundproof, and insulated urethane secondary seal. The material works under its own constant internal pressure to provide a permanent, watertight seal eliminating costly water damage, as well as allowing for a greater degree of joint movement.

Once the BS50 is installed in the joint, the material expands (depending on temperature) adapting to the width of the joint and the irregularities of the substrate, provided such profile changes are not sudden or extreme. The material is permanently resilient. It will expand and contract with the movement of the joint under any weather condition.



## Physical Properties

Properties	Result
Thermal Conductivity	0.05 W/m. °C
Thermal Resistance	ASTM C518, 3.3 hr-°F-ft <sup>2</sup> /Btu
Temperature Range	-40° F to 212° F
Tensile Strength	ASTM 3574, meets 21 psi min.
Ultimate Elongation	ASTM 3574, 125% +/- 20%
Compression Set	ASTM 3574, Max. 2.5%
Shear Strength	Min. 8N/cm <sup>2</sup>
Mildew Resistance	UL 94V0, Excellent
Flammability	ASTM E84, Self extinguishing Flame spread 0
Flash Point	ASTM E331, 590°F (310°C)

## Features and Benefits

- Can accommodate rapid rates of joint movement
- Supplied in pre-compressed state for ease of installation
- Excellent compression recovery
- Permanently elastic and weather-tight
- Resists stretching and twisting during installation due to the Polyester scrim in the PSA (Pressure Sensitive Adhesive)
- Allows for up to 100% (+50%) movement
- Consistent depth of product
- Not based on asphaltic or bitumastic impregnation
- Sizes available in 1/4" increments
- Standard colors: Black and Concrete Gray
- **LEED Credits** - Up to two (2) LEED credits depending on the location of the project.

PRODUCT	DEPTH OF SEAL IN (MM)	MIN. WIDTH IN (MM)	MID-RANGE IN (MM)	MAX. WIDTH IN (MM)	TOTAL MOVEMENT IN (MM)
BS50-025	0.75" (19.1)	0.13" (3.3)	0.25" (6.4)	0.38" (9.7)	0.25" (6.4)
BS50-050	0.75" (19.1)	0.25" (6.4)	0.50" (12.7)	0.75" (19.1)	0.50" (12.7)
BS50-100	1.50" (38.1)	0.50" (12.7)	1.00" (25.4)	1.50" (38.1)	1.00" (25.4)
BS50-150	2.00" (50.8)	0.75" (19.1)	1.50" (38.1)	2.25" (57.2)	1.50" (38.1)
BS50-200	2.00" (50.8)	1.00" (25.4)	2.00" (50.8)	3.00" (76.2)	2.00" (50.8)
BS50-250	3.00" (76.2)	1.25" (31.8)	2.50" (63.5)	3.75" (95.3)	2.50" (63.5)
BS50-300	3.00" (76.2)	1.50" (38.1)	3.00" (76.2)	4.50" (114.3)	3.00" (76.2)
BS50-350	3.00" (76.2)	1.75" (44.5)	3.50" (88.9)	5.25" (133.4)	3.50" (88.9)
BS50-400	3.00" (76.2)	2.00" (50.8)	4.00" (101.6)	6.00" (152.4)	4.00" (101.6)