

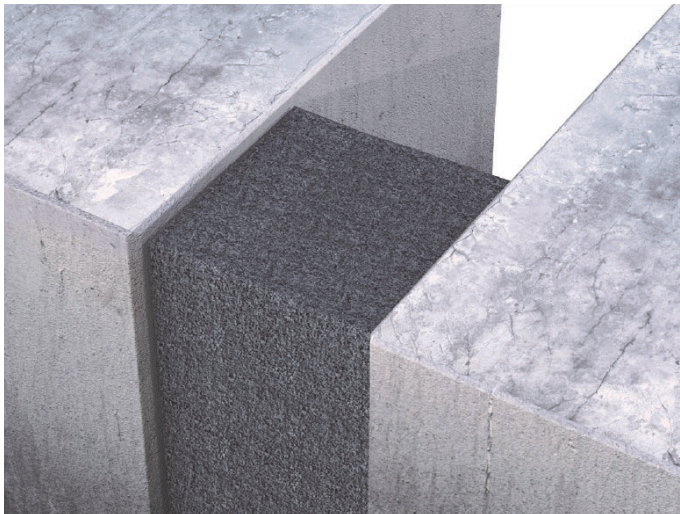
BS25-Series

Description

The BS25-Series Foam Seal is composed of a high density, open micro-cell polyurethane foam impregnated with a hydrophobic, flame retardant, modified acrylic. The seal provides a waterproof, dustproof, airtight, UV stable, chemically resistant, soundproof, and insulated urethane primary seal.

The seal is designed to work 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 BS25 seal is installed in the joint, the material expands (depending on the temperature) adapting to the width of the joint and the irregularities of the substrate provided such profile changes are not sudden or extreme.



Physical Properties

Table 1 – Physical properties of BS25

Properties	Result
Thermal Conductivity	0.05 W/m. °C
Thermal Resistance	ASTM C 518, 3.3 hr-°F-ft ² /Btu
Temperature Stability Range	-40° F to 212° F
Tensile Strength	ASTM 3574, meets 21 psi min.
Ultimate Elongation	125% +/- 20%
Resistance to Compression Set	ASTM 3574, Max. 2.5%
Shear Strength	Min. 8N/cm ²
Mildew Resistance	UL 94VO, Excellent
UV Resistance	Excellent
Flammability	ASTM E84, Self extinguishing Flame Spread 0
Flash Point	ASTM E331, 590°F (310°C)
Water Resistance	ASTM E547, 12 psf

Features and Benefits

- Can accommodate rapid rates of joint movement
- 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 50% (±25%) movement
- Available in varying depths per size (contact manufacturer for more information)
- Not based on asphaltic or bitumastic impregnation
- Paintable with water-based paints.
- Standard Colors: Black and Concrete Gray
- Sizes available in 1/4" increments
- **LEED Credits** - Up to two (2) LEED credits depending on the location of the project.

PRODUCT	MIN. WIDTH IN (MM)	MID-RANGE IN (MM)	MAX. WIDTH IN (MM)	TOTAL MOVEMENT IN (MM)
BS25-013	0.09" (2.3)	0.13" (3.3)	0.16" (4.1)	0.07" (1.8)
BS25-025	0.19" (4.8)	0.25" (12.7)	0.31" (7.9)	0.13" (3.3)
BS25-050	0.38" (9.5)	0.50" (12.7)	0.63" (15.9)	0.25" (6.4)
BS25-075	0.56" (14.2)	0.75 (19.1)	0.94" (23.9)	0.38" (9.7)
BS25-100	0.75" (19.1)	1.00" (25.4)	1.25" (31.8)	0.50" (12.7)
BS25-200	1.50" (38.1)	2.00" (50.8)	2.50" (63.5)	1.00" (25.4)
BS25-300	2.25" (57.2)	3.00" (76.2)	3.75" (95.3)	1.50" (38.1)
BS25-400	3.00" (76.2)	4.00" (101.6)	5.00" (127.0)	2.00" (50.8)
BS25-500	3.75" (95.3)	5.00" (127.0)	6.25" (158.8)	2.50" (63.5)
BS25-600	4.50" (114.3)	6.00" (152.4)	7.50" (190.5)	3.00" (76.2)
BS25-700	5.25" (133.4)	7.00" (177.8)	8.75" (222.3)	3.50" (88.9)
BS25-800	6.00" (152.4)	8.00" (203.2)	10.00" (254.0)	4.00" (101.6)

