

FOAM SEAL SYSTEMS

CS-Series

Description

Contour Seal (CS) is a compressible sealer, which can be used in a variety of waterproofing applications. It is made of polyurethane, closed-cell foam, which has constant internal forces built into each cell. These cells continuously push against each other and the sidewalls of the opening. Consequently, this force is used to keep out water, moisture, dust, sound, and weather. The product is designed to provide a permanent, watertight seal.

Variations of this material allow for its use in several distinctly different applications, such as vertical pre-cast panels, isolation joints, window frame closure applications, and any other opening which requires a resilient, waterproof closure, and must be aesthetically pleasing.

Features and Benefits

- Permanently conforms to varying joint contours
- Excellent compression recovery
- No thermal-set; material remains resilient and flexible down to -40° F temperatures
- Provides a watertight barrier against the elements and noise
- Ease of installation. Simply clean surface, apply the two-part epoxy adhesive and compress into place.
- The components of the system are comprised of the two-part epoxy adhesive, an elastomeric, high-density, closed cell foam shape. With a +/-25% movement range, this system attains 50% total movement capability.

Physical Properties

Properties	Result
Density	10 lb./cu. ft. (160 kg/m ³)
Thermal Conductivity	0.05 W/m. °C
Thermal Resistance	ASTM C 518, 3/3, hr-°F-ft ² /Btu
Temperature Range	-40° F to 180° F
Bleeding	None @ 212° F under 20% comp.
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 ²
Mildew Resistant	Excellent
UV Resistant	Excellent
Staining	None -40° to 180° F

