

CSS-Series (Seismic)

Description

The Contour Seismic Seal (CSS) is made of preformed compressible material, which can be used in a variety of waterproofing applications. It is made of polyurethane foam that has constant internal forces built into each cell. These cells continuously push against each other and the sidewalls of an opening. This force is used to keep out water, moisture, dust, sound and weather, providing a permanent, watertight seal.

The self-adhering material is used in various applications. In areas where seismic activity is a consideration, the CSS will respond to multiple, simultaneous movements. The texture of the closed cell material resembles sponge-packing foam. The top surface of the profile has a tough, silicone-exposed face to match the color of adjoining structures.

The CSS is typically used in vertical applications or non-pedestrian horizontal applications, along with difficult-to-reach areas, pre-cast panels, isolation joints, window frame closures, and any other opening which requires a resilient, waterproof closure that must also be aesthetically pleasing.



Physical Properties

Properties	Result
Thermal Conductivity	0.05 W/m. °C
Temperature Range	-40° F to 185° 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 ²
Mildew Resistant	Excellent
Staining	None
Flammability	UL94VO Self Extinguishing
Flash Point	590°F (310°C)
Durometer Hardness	ASTM D2240, Shore A 15pts.

Features and Benefits

- Permanently conforms to varying joint contours
- Excellent compression recovery due to seismic activity
- No thermal-set; material remains resilient and flexible down to -40° F temperatures.
- Ease of installation - Simply clean surface, peel off the protective tape and press into place.
- EMS provides a ten-year warranty allowing for replacement of the material if product failure should occur.
- Double the protection: The CSS material has twice the movement capabilities (+/- 50%) of the standard Contour Seal (CS) system.
- Available in **Dow Corning® 790** and **Pecora 890**
Colors: Actual Colors may vary. See **Dow Corning® 790** and **Pecora 890** Color Chart for exact color match.
- Sizes available in 1/4" increments

PRODUCT	DEPTH OF SEAL IN (MM)	MIN. WIDTH IN (MM)	MID-RANGE IN (MM)	MAX. WIDTH IN (MM)	TOTAL MOVEMENT IN (MM)
CSS-050	1.50" (38.1)	0.25" (6.4)	0.50" (12.7)	0.75" (19.1)	0.50" (12.7)
CSS-100	1.50" (38.1)	0.50" (12.7)	1.00" (25.4)	1.50" (38.1)	1.00" (25.4)
CSS-150	2.00" (50.8)	0.75" (19.1)	1.50" (38.1)	2.25" (57.2)	1.50" (38.1)
CSS-200	2.00" (50.8)	1.00" (25.4)	2.00" (50.8)	3.00" (76.2)	2.00" (50.8)
CSS-250	2.00" (50.8)	1.25" (31.8)	2.50" (63.5)	3.75" (95.3)	2.50" (63.5)
CSS-300	3.00" (76.2)	1.50" (38.1)	3.00" (76.2)	4.50" (114.3)	3.00" (76.2)
CSS-350	3.00" (76.2)	1.75" (44.5)	3.50" (88.9)	5.25" (133.4)	3.50" (88.9)
CSS-400	3.00" (76.2)	2.00" (50.8)	4.00" (101.6)	6.00" (152.4)	4.00" (101.6)
CSS-500	3.00" (76.2)	2.50" (63.5)	5.00" (127.0)	7.50" (190.5)	5.00" (127.0)
CSS-600	4.00" (101.6)	3.00" (76.2)	6.00" (152.4)	9.00" (228.6)	6.00" (152.4)
CSS-700	4.00" (101.6)	3.50" (88.9)	7.00" (177.8)	10.50" (266.7)	7.00" (177.8)
CSS-800	4.00" (101.6)	4.00" (101.6)	8.00" (203.2)	12.00" (304.8)	8.00" (203.2)