

CSS(DS)-Series (Seismic Double-Sided)

Description

The Double-Sided Contour Seismic Seal (CSS-DS) is composed of an open micro-cell polyurethane foam impregnated with a hydrophobic, polymer sealing compound, which can be used in a variety of waterproofing applications. The foam that has constant internal forces built into each cell. These cells continuously push against each other and the sidewalls of an opening to keep out water, moisture, dust, sound and weather, providing a permanent, watertight seal.

The self-adhering material is used in various applications. The system was developed to waterproof most larger vertical and horizontal construction movement joints or joints anticipating seismic movement. Both the top and bottom surfaces of the profile have tough, silicone-exposed faces to match the color of adjoining structures.

The CSS(DS) 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. Once installed in the joint, the material expands to adapt to the width of the joint and the irregularities of the substrate provided such profile changes are not sudden or extreme.



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

- Can accommodate rapid rates of joint movement
- Supplied in pre-compressed state for ease of installation
- Does not rely on the silicone coating or on the adhesion of a field applied bead of sealant to provide a watertight seal
- Consistent depth of product
- Excellent compression recovery
- Permanently elastic and weather-tight
- Used for joints up to 8” wide
- Allows for up to 100% (±50% movement)
- Not based on asphaltic or bitumastic impregnation
- 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
- **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)
CSS(DS)-050	1.50" (38.1)	0.25" (6.4)	0.50" (12.7)	0.75" (19.1)	0.50" (12.7)
CSS(DS)-100	1.50" (38.1)	0.50" (12.7)	1.00" (25.4)	1.50" (38.1)	1.00" (25.4)
CSS(DS)-150	2.00" (50.8)	0.75" (19.1)	1.50" (38.1)	2.25" (57.2)	1.50" (38.1)
CSS(DS)-200	2.00" (50.8)	1.00" (25.4)	2.00" (50.8)	3.00" (76.2)	2.00" (50.8)
CSS(DS)-250	2.00" (50.8)	1.25" (31.8)	2.50" (63.5)	3.75" (95.3)	2.50" (63.5)
CSS(DS)-300	3.00" (76.2)	1.50" (38.1)	3.00" (76.2)	4.50" (114.3)	3.00" (76.2)
CSS(DS)-350	3.00" (76.2)	1.75" (44.5)	3.50" (88.9)	5.25" (133.4)	3.50" (88.9)
CSS(DS)-400	3.00" (76.2)	2.00" (50.8)	4.00" (101.6)	6.00" (152.4)	4.00" (101.6)
CSS(DS)-500	3.00" (76.2)	2.50" (63.5)	5.00" (127.0)	7.50" (190.5)	5.00" (127.0)
CSS(DS)-600	4.00" (101.6)	3.00" (76.2)	6.00" (152.4)	9.00" (228.6)	6.00" (152.4)
CSS(DS)-700	4.00" (101.6)	3.50" (88.9)	7.00" (177.8)	10.50" (266.7)	7.00" (177.8)
CSS(DS)-800	4.00" (101.6)	4.00" (101.6)	8.00" (203.2)	12.00" (304.8)	8.00" (203.2)