

CS-Series

Description

Contour Seal (CS) is a compressible sealer, which can be used in a variety of waterproofing applications. It is made of a closed cell, stabilized polymer material coated with a colorized, elastomeric layer of silicone. The material has been developed to perform under extreme conditions such as those found in vertical and horizontal applications including seismic and parking structure joints.

An impermeable closed cell foam backer and silicone face act as a dual sealant which provides a watertight seal and an aesthetic, colorized finish superior to silicone or urethane strip seals. The system provides a dustproof, airtight, UV stable, watertight, chemically resistant, soundproof and insulated urethane primary seal.

The foam seal system 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.



Physical Properties

Properties	Result
Density	2-3 lb./cu. ft.
Thermal Conductivity	ASTM C177, R-4
Tensile Strength	ASTM D3575, 120psi
Ultimate Elongation	ASTM D3575, 250%
Tear Resistance	ASTM D624, 21.5 lbs/in
Water Absorption	ASTM D3575, <.02 lbs/ft ²
Weather Resistance	ASTM D1499, No Cracking
Durometer Hardness	ASTM D2240, Shore A 15 pts.
Weatherometer	Xenon Arc Weatherometer, 2000 hrs. No Visible Deterioration

Features and Benefits

- Can accommodate rapid rates of joint movement
- Made from a monolithic piece of foam that will not delaminate like multi-layer products
- Does not rely on the silicone coating or the adhesion of a field applied bead of sealant to provide a watertight seal
- Not subject to adhesive or cohesive failure
- Consistent depth of product
- Used for joints up to 12" wide
- The system has a +/-25% movement range, providing 50% total movement capability.
- 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.

CONTACT EMS FOR PROPER SIZING

PRODUCT	MIN. WIDTH IN (MM)	MID-RANGE IN (MM)	MAX. WIDTH IN (MM)	TOTAL MOVEMENT IN (MM)
CS-050	0.38" (9.7)	0.50" (12.7)	0.63" (16.0)	0.25" (6.4)
CS-100	0.75" (19.1)	1.00" (25.4)	1.25" (31.8)	0.50" (12.7)
CS-200	1.50" (38.1)	2.00" (50.8)	2.50" (63.5)	1.00" (25.4)
CS-300	2.25" (57.2)	3.00" (76.2)	3.75" (95.3)	1.50" (38.1)
CS-400	3.00" (76.2)	4.00" (101.6)	5.00" (127.0)	2.00" (50.8)
CS-500	3.75" (95.3)	5.00" (127.0)	6.25" (158.8)	2.50" (63.5)
CS-600	4.50" (114.3)	6.00" (152.4)	7.50" (190.5)	3.00" (76.2)
CS-700	5.25" (133.4)	7.00" (177.8)	8.75" (222.3)	3.50" (88.9)
CS-800	6.00" (152.4)	8.00" (203.2)	10.00" (254.0)	4.00" (101.6)
CS-900	6.75" (171.5)	9.00" (228.6)	11.25" (285.75)	4.50" (114.3)
CS-1000	7.50" (190.5)	10.00" (254.0)	12.50" (317.5)	5.00" (127.0)
CS-1100	8.25" (209.6)	11.00" (279.4)	13.75" (349.25)	5.50" (139.7)
CS-1200	9.00" (228.6)	12.00" (304.8)	15.00" (381.0)	6.00" (152.4)

