Zed Seal CR
Data Sheet

Basic Use

Zed Seal CR is an expansion joint sealing system for use in bridges, pressure-relief joints, isolation joint seals at approaches, parking structures, stadiums, wastewater treatment plants and many other structures.

Product Description

Zed Seal CR is a pre-formed, low-density, closed cell, cross-linked, polyethylene foam material with EVA for added consistency during expansion and compression. Zed Seal is used as a flexible joint seal that is waterproof and chemical resistant. The seal is designed with excellent UV resilience and high tensile and tear performance. The seal is bonded into place with a high-strength two-component adhesive.

Installation

Please refer to "Zed Seal CR Installation Instructions" technical document.

Packaging

Prefabricated to desired lengths.
39" x 78" sheets – various thicknesses.

Shelf Life

Seal - unlimited
Adhesive - One year in un-opened packages from the date of manufacturer.

Features

- Zed seal is capable of 25% tension and 50% compression.
- Intersections and splices may be field welded
- Field installation is fast and simple
- A monolithic waterproof system
- Resistant to weathering, ultraviolet radiation, solvents, and chemicals,
- Temperature range -100°F to 200°F
- Bonds to most substrates
- Grooved sides to improve adhesion

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Test Properties	Value	ASTM D3575
Density (Nominal)	2.75 – 3.1 pcf	Suffix W
Compressive Strength (PSI) @ 25% @50%	> 5 > 14	Suffix D
Elongation (%)	230 min.	Suffix T
Tensile Strength (PSI)	60 minimum	Suffix T
Tear Strength (PLI)	12 min.	Suffix G
Water Absorption (%)	< 0.03 lb/ft^2 3% Vol/Vol Max	Suffix L ASTM D545
Compression Set @50% for 22Hrs. (%)	20 max	ASTM D1056 Suffix B
Extrusion with 3 Sides Restrained	< 0.25 @ 50% compression	ASTM D545

Model	Joint Opening @ 68°F (20°C)	Recommended Zed Seal Dimensions (Width x Depth)	Maximum Closure	Maximum Opening	Total Movement
ZSCR-100	1.00" (25.4mm)	1.38" x 2.00" (35mm x 50.8mm)	0.50" (12.7mm)	1.80" (45.7mm)	1.30" (33.0mm)
ZSCR-125	1.25" (31.8mm)	1.68" x 2.00" (41.4mm x 50.8mm)	0.60" (15.2mm)	2.10" (53.3mm)	1.50" (38.1mm)
ZSCR-150	1.50" (38.1mm)	2.00" x 2.00" (50.8mm x 50.8mm)	0.80" (20.3mm)	2.60" (66.0mm)	1.80" (45.7mm)
ZSCR-175	1.75" (44.4mm)	2.38" x 2.00" (60.4mm x 50.8mm)	0.90" (22.9mm)	3.10" (78.7mm)	2.20" (55.9mm)
ZSCR-200	2.00" (50.8mm)	2.75" x 2.00" (69.9mm x 50.8mm)	1.10" (27.9mm)	3.60" (91.4mm)	2.50" (63.5mm)
ZSCR-225	2.25" (57.2mm)	3.00" x 2.50" (76.2mm x 63.5mm)	1.20" (30.5mm)	3.90" (99.1mm)	2.70" (68.6mm)
ZSCR-250	2.50" (63.5mm)	3.25" x 2.50" (82.6mm x 63.5mm)	1.30" (33.0mm)	4.20" (106.7mm)	2.90" (73.7mm)
ZSCR-275	2.75" (69.9mm)	3.50" x 2.50" (88.9mm x 63.5mm)	1.40" (35.6mm)	4.50" (114.3mm)	3.15" (80.0mm)
ZSCR-300	3.00" (76.2mm)	4.00" x 3.00" (101.6mm x 76.2mm)	1.60" (40.6mm)	5.20" (132.0mm)	3.60" (91.4mm)
ZSCR-350	3.50" (88.9mm)	4.25" x 3.00" (108mm x 76.2mm)	1.80" (45.7mm)	5.80" (147.3mm)	4.00" (101.6mm)
ZSCR-400	4.00" (101.6mm)	5.00" x 3.50" (127mm x 88.9mm)	2.00" (50.8mm)	6.50" (165.0mm)	4.50" (114.3mm)