

Sizing

The seal width must be at least 25% larger than the joint opening. However, the minimum and maximum joint opening must be determined by the engineer and compared to the minimum and maximum joint opening for the selected seal size in the Movement Table (See last page).

Installation Conditions

Air, material, and surface temperatures must be a minimum of 40°F prior to mixing or installation. Joint must be completely dry. Do not install during or immediately following precipitation.

All surfaces in contact with Zed Seal CR should be sandblasted with oil-free compressed air. Steel substrates should be prepared to a near white finish with a good surface profile.

Joint Preparation

Steel, concrete, and elastomeric concrete (Poly-Tron) need not be primed prior to installation. Steel with coatings or additives may require priming. Metalized steel requires a light brush-blast to ensure all foreign debris is removed. Use compressed air to remove dust and debris after blasting. Apply duct tape to the top edges of the deck $\frac{1}{4}$ - $\frac{1}{2}$ " away from the joint to reduce clean up (optional).

Zed Seal Preparation

All intersections and connections should be performed by heat-welding prior to mixing the Zed Seal adhesive. Lay the Zed Seal CR along the joint and cut curb profiles. Bond the longitudinal sections together using a Teflon coated industrial heating iron.

Mixing

Pre-mix each Zed Seal adhesive component separately, then mix Part A with Part B for one to two minutes with a slow-speed drill motor using a Jiffy (or equivalent) mixer or paddle. Mix only as much material as can be used within the pot life.



Bonding

Apply Zed Seal adhesive generously to the grooved sides of the Zed Seal and to both sides of the joint interface. Coverage should be as follows:

- 1" Joint depth 100 LF/Gal
- 2" Joint depth 50 LF/Gal
- 3" Joint depth 35 LF/Gal
- 4" Joint depth 25 LF/Gal

Zed Seal Placement

With gloved hands or tools, compress & install the seal into the joint about 1/8"- 1/2" below the surface, depending in the radius of the joint nosing. Immediately remove excess epoxy from the top surface of the seal and allow for free movement. Do not use solvents.

Clean Up

All Excess Zed Seal adhesive must be cleaned from surface of the Zed Seal CR immediately. Masking of the adjacent concrete areas is recommended. Tools and equipment can be cleaned with xylene before the epoxy sets up.





Zed Seal Installation Instructions

Data Sheet

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)