



Ply-Seal[®] SS

Ply-Seal[®] SS Joint System is a premium quality precompressed joint seal that is composed of a micro-cell monolithic polyurethane foam, impregnated with a waterproof hydrophobic polymer sealing compound. This foam-supported silicone joint seal is top coated with a traffic-grade silicone that is UV and chemical resilient. The material is secured in place with Ply-Bonder, a high-strength industrial grade, 2-part epoxy adhesive on the vertical surfaces for a waterproof joint that handles tension and compression movement of +/- 50%.

Uses:

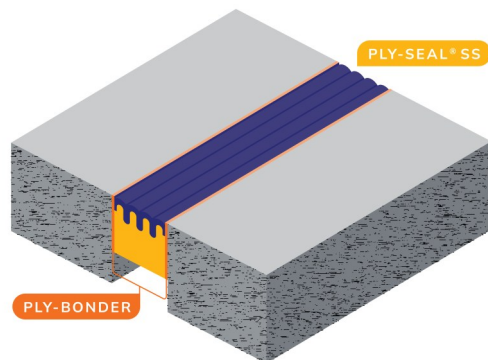
Primary waterproof joint seal in Bridges, Parking Structures, Rail Platforms, and other structures where a waterproof joint seal is required. Ideal for new construction or rehabilitation/ stage projects.

Key Features:

- Handles vertical & horizontal shear
- Weather, UV, and chemical resilient
- Factory-applied traffic-grade silicone
- Monolithic foam base
- Working range of -40° F to 190° F
- Field installations are quick and easy
- Not affected by rapid thermo cycling

Packaging:

Ply-Seal[®] SS Joint Seal is supplied in 6.5 foot lengths that are precompressed to match the joint opening at mid-range of movement for easy installation.



Model Number & Joint Gap @ 60°F	Material Size Width x Depth (in.)	Movement Range (in.)
PSS 1.00	1 x 2	1/2—1 1/2
PSS 1.25	1 1/4 x 2	5/8—1 7/8
PSS 1.50	1 1/2 x 2	3/4—2 1/4
PSS 1.75	1 3/4 x 2	7/8 —2 5/8
PSS 2.00	2 x 3	1—3
PSS 2.25	2 1/4 x 3	1 1/8—3 3/8
PSS 2.50	2 1/2 x 3	1 1/4—3 3/4
PSS 2.75	2 3/4 x 3	1 3/8—4 1/8
PSS 3.00	3 x 3	1 1/2—4 1/2
PSS 3.25	3 1/4 x 3	1 5/8—4 7/8
PSS 3.50	3 1/2 x 3	1 3/4—5 1/4
PSS 3.75	3 3/4 x 3	1 7/8—5 5/8
PSS 4.00	4 x 4	2 – 6

Property	Value	Procedure
50% Compression Strength	13.9 kPa	ASTM D3574
75% Compression Set	5.51% (Original Thickness)	ASTM D3574
	7.36% (Compressed Thickness)	ASTM D3574
Tensile Strength	116 kPa	ASTM D3574
Elongation	197%	ASTM D3574
Low-Temperature Flexibility	No Visible Deleterious Effects	ASTM C711
Tear Strength	52.2 lb/in	ASTM D624
50% Compress Strength	0.517 psi	ASTM D545
50% Compression Recovery	98.96%	ASTM D545
Water Absorption	39.69%	ASTM D545
Density	9.890 lbs/ft ³	ASTM D545

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