

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
Tensile Strength	16.6 psi	ASTM D412
Tear Strength	52.2 lb _f /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 lb _f /ft ³	ASTM D545

Limited Warranty: Polyset Company Inc. makes no warranty, expressed or implied, including any warranty of merchantability of fitness for a particular purpose. The sole remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the discretion of Polyset Company Inc. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL POLYSET COMPANY INC. BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Copyright © 2024 Polyset Company, Inc. All rights reserved. Revised 4/2/2024