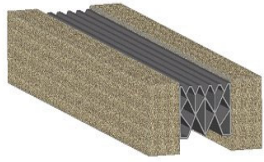


PRE-FORMED COMPRESSION SEALS AR-Series (Santoprene)



Description

This product is an extruded, elastomeric seal that will seal an expansion or contraction joint opening from the

intrusion of water and debris. The cross-section has an arrangement of internal webs precisely located to exert continuous and uniform horizontal forces against the joint walls. It is designed for constant compression throughout the range of joint movement.

The seal is designed to be able to be run in various colors for architectural vertical applications. The ability to color match the seal to its surroundings makes it an aesthetically pleasing selection for walls, columns and other vertical structures.

Physical Properties

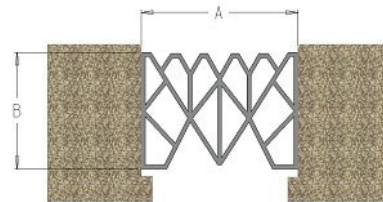
The system consists of two items: a compression seal and a lubricant-adhesive.

The compression seal is available in several designs of varying graduated widths. It is made from a colorable thermo-rubber material (Santoprene®). The seal material can be color-matched to meet the requirements of the project. Table 1 shows the physical properties for these seals.

The lubricant-adhesive is a single-part, moisture-curing polyurethane and aromatic hydrocarbon solvent mixture. It conforms to properties presented in ASTM D4070 and shown in Table 2.

Property	ASTM Test Method	Requirement
Tensile strength, min.	D412	1000 psi
Elongation at break, min.	D412	410%
Hardness, Type A durometer	D2240 (modified)	67A
Compression set	D395 (Method B)	
168h @ 77°F		24%
168h @ 212°F		36%
Tear strength	D624	140 lb/in
Tension set	D412	10%
100% modulus	D412	420 psi
Specific gravity	D792	0.97
Brittle point	D746	<-81°F

Property	Test Method Section	Requirement
Solids Content, min %	10.1	60
Homogeneity		Shall be uniform, no lumps Or agglomerates, no settlement in container
Shear Ratio at:		
Min:		
At 20,000 to 100,000	cP	1.5
At 100,001 to 200,000	cP	2.0
At 200,001 to 300,000	cP	2.5
Max		4.0
Lubricating life, min. h	10.3	2
Sag	10.4	No sagging
Peel strength test	10.5	Max. Length peeled from Concrete within 3 min.
500-g load		None
1000-g load		12mm (1/2 in.)
Shelf life	11.1	For 6 months after Manufacturer



PRODUCT	MIN. WIDTH IN (MM)	MID-RANGE IN (MM)	MAX. WIDTH IN (MM)	TOTAL MOVEMENT IN (MM)	DIM. A: IN (MM)	DIM. B: IN (MM)
AR-200	1.00" (25.4)	1.50" (38.1)	2.00" (50.8)	1.00" (25.4)	2.00" (50.8)	1.75" (44.4)
AR-225	1.13" (28.7)	1.69" (42.9)	2.25" (57.2)	1.13" (28.7)	2.25" (57.2)	1.75" (44.4)
AR-250	1.38" (35.1)	1.94" (49.3)	2.50" (63.5)	1.13" (28.7)	2.50" (63.5)	2.25" (57.2)
AR-300	1.75" (44.4)	2.38" (60.5)	3.00" (76.2)	1.25" (31.8)	3.00" (76.2)	2.25" (57.2)
AR-400	2.13" (54.1)	3.07" (78.0)	4.00" (101.6)	1.87" (47.5)	4.00" (101.6)	3.00" (76.2)
AR-500	2.25" (57.2)	3.63" (92.2)	5.00" (127.0)	2.75" (69.9)	5.00" (127.0)	3.50" (88.9)
AR-600	2.13" (54.1)	4.07" (103.4)	6.00" (152.4)	3.87" (98.3)	6.00" (152.4)	4.25" (107.9)