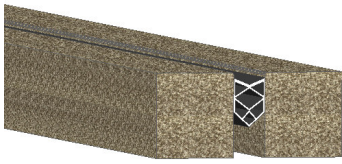


PRE-FORMED COMPRESSION SEALS

PV-Series



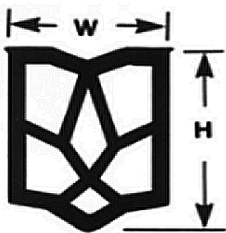
Description

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

intrusion of water and debris. The cross-section has an arrangement of internal webs designed to exert a continuous, uniform force against the joint walls. It is designed to be in constant compression throughout the range of joint movement.

The PV-Series shapes are specifically designed for architectural, airport, and mall applications where maximum attention must be given to maintain a smooth walking surface.

The web design was structured to present lower stresses than comparably sized, heavy-duty models. This makes the configuration not only ideal for concourse applications in building floors and parking decks, but also for vertical installations in wall constructions.



Physical Properties

The system consists of two items: a compression seal and a two-part, high strength, epoxy adhesive.

The compression seal is made of neoprene and is available in various widths. The neoprene sealer is black in color and meets the requirements of ASTM D 2628 & AASHTO M-220 standard specifications. Physical properties are given in Table 1.

The two-part, high strength, epoxy adhesive provides a tenacious bond between the seal and concrete. The physical properties are presented in Table 2.

TABLE 1 – Physical Properties of the Neoprene Seal

Property	ASTM Test Method	Requirement
Tensile strength, min.	D412	2000 psi
Elongation at break, min.	D412	250%
Hardness, Type A durometer	D2240	55 +/-5
Oven aging, 70h @ 212° F	D573	
Tensile strength, max.		20% loss
Elongation, max.		20% loss
Hardness, Type A duro.		0 to +10 pts
Oil swell, ASTM Oil No. 3 70h @ 212 ° F		
Weight change, max.	D471	45%
Ozone resistance, 20% strain 70 hours aging, D573, 3 ppm in air	D1149	No cracks

TABLE 2 – Physical Properties of the High Strength Adhesive

Property	Requirement
Adhesive Type	2-Component thixotropic paste
Tensile Strength	4500 psi
Axial Compression	8775 psi
Pot Life	45 minutes at 68° F
Flash Point	>200°F (both components)
Non-volatile Content	100% Reactive
Initial Cure @ 70°F	24 Hours

Product	Min. Width IN (MM)	Mid-Range IN (MM)	Max. Width IN (MM)	Total Movement IN (MM)	Dim. W: IN (MM)	Dim. H: IN (MM)
PV-437	0.19" (4.8)	0.31" (7.9)	0.37" (9.4)	0.25" (6.4)	0.44" (11.1)	0.94" (23.8)
PV-562	0.25" (6.4)	0.41" (10.4)	0.48" (12.1)	0.31" (7.9)	0.56" (14.3)	0.63" (15.9)
PV-686	0.33" (8.3)	0.51" (13.0)	0.58" (14.8)	0.38" (9.53)	0.69" (17.5)	0.69" (17.5)
PV-816	0.35" (8.9)	0.58" (14.7)	0.70" (17.7)	0.50" (12.7)	0.81" (20.6)	0.83" (20.1)
PV-1006	0.40" (10.2)	0.70" (17.8)	0.85" (21.6)	0.54" (13.5)	1.00" (25.4)	1.00" (25.4)
PV-1256	0.45" (11.4)	0.85" (21.6)	1.06" (27.0)	0.63" (15.9)	1.25" (31.8)	1.00" (25.4)
PV-1625	0.60" (15.2)	1.11" (28.2)	1.38" (35.1)	0.88" (22.2)	1.63" (41.3)	1.13" (28.6)
PV-2000	0.75" (19.0)	1.38" (35.1)	1.70" (43.2)	1.13" (28.6)	2.00" (50.8)	1.50" (38.1)
PV-2500	0.78" (19.7)	1.64" (41.7)	2.13" (54.0)	1.36" (34.9)	2.50" (63.5)	2.50" (63.5)
PV-3000	1.20" (30.5)	2.10" (53.3)	2.55" (65.0)	1.75" (44.5)	3.00" (76.2)	2.50" (63.5)