

## INSTALLATION INSTRUCTIONS FOR PVC WATERSTOPS

**PREPARATION:** During progress of work all waterstop shall be protected from damage and should be free of oil, dirt and concrete spatter. Waterstop coils should be uncoiled several days before installation to insure ease of installation and fabrication. Be sure steel reinforcing bars do not interfere with proper positioning of waterstop.

**PLACEMENT:** The location and embedment of the waterstop shall be as shown on the drawings, with approximately one-half of the width of the waterstop embedded in the concrete on each side of the joint. All waterstops shall be sufficiently held in place to insure that they are correctly positioned to form a continuous watertight diaphragm in the joint unless otherwise shown. The method used to fasten the waterstop may be as follows:



- extending through a slot in the keyway
- held in place by split bulkheads
- hog ring and wire tie to reinforcing bars every 12 inches. Always secure hog ring or wire between the last rib and the end of the waterstop. Hog ring shall not penetrate the waterstop.
- BoMetals, Inc can provide hog rings 12" on center upon request

Care should be taken during concrete placement on horizontal sections to prevent excessive movement of the waterstop to insure against displacement.

Always thoroughly and systematically vibrate concrete around the waterstop to avoid air entrapment and to provide a positive contact between the waterstop and the concrete. On the second pour, sweep horizontal joints to insure there is no foreign matter to interfere with positive contact between the waterstop and the concrete. When using split-ribbed waterstops, the split leg of the waterstop is opened and nailed to the bulkhead between the last rib and the edge. Upon stripping the forms, the split legs are joined together by using a rubber-based contact cement and placing hog rings every 12 inches and wire-tied to the rebar.

Typical Properties (.075" Slab)	Nominal Value	Nominal Value
Water Absorption	0.15%	D-570
Tear Resistance	350/lb. in.	D-624
Specific Gravity, (+/-0.02)	1.33	D-792
Hardness, Shore A (+/-3, 10 sec. delay)	74	D-2240
Tensile, psi	2075	D-638, Type IV
Elongation, %	435	D-638, Type IV
100% Modulus, psi	725	D-638, Type IV
Brittle Point (T <sub>b</sub> ), °F	-37 (Passed)	D-746
Stiffness in Flexure, psi	1440	D-747
Ozone Resistance	No Failure	D1149
<b>Accelerated Extraction, CRD-C572</b>		
Tensile, psi	2025	D-638, Type IV
Elongation, %	420	D-638, Type IV
<b>Effect of Alkali, CRD-C572</b>		



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