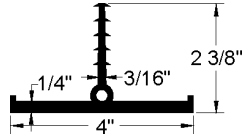


PRODUCT DATA SHEET
RF-4316



Head of Pressure	Pounds per Lineal Foot
N/A	.85

WHERE TO USE RETRO FIT WATERSTOP

Retro Fit waterstops are used to provide a watertight seal when attaching a new construction project to an existing one.

PHYSICAL PROPERTIES OF PVC WATERSTOP

Typical Properties	ASTM Method	Nominal Value
Water Absorption	D-570	0.15%
Tear Resistance, psi (kg per cm2)	D-624	350 (24.5)
Specific Gravity, (+/-0.02)	D-792	1.33
Hardness, Shore A (+/-3, 10 sec. delay)	D-2240	74
Tensile, psi (kg per cm2)	D-638, Type IV	2075 (145.25)
Elongation %	D-638, Type IV	435
100% Modulus, psi (kg per cm2)	D-638, Type IV	725 (50.75)
Brittle Point (Tb)	D-746	-37° F / -38° C (Passed)
Stiffness in Flexure psi (kg per cm2)	D-747	1440 (100.8)
Ozone Resistance	D-1149	No Failure
Accelerated Extraction, CRD-C572		
Tensile, psi (kg per cm2)	D-638, Type IV	2025 (141.75)
Elongation, %	D-638, Type IV	420
Effect of Alkali, CRD-C572		
Weight Change, %	-----	+0.05
Change in Hard- ness, Shore A	D-2240	-3

INSTALLATION

Preparation

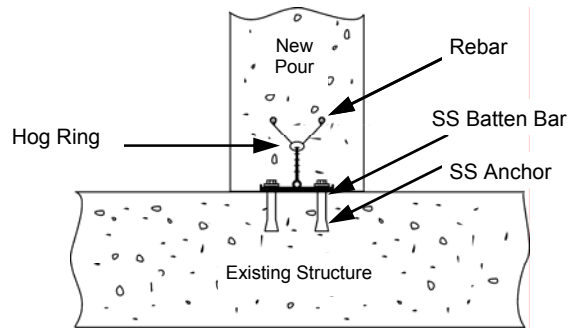
During progress of work all waterstop shall be protected from damage and should be free of oil, dirt and concrete spatter. Be sure steel reinforcing bars do not interfere with proper positioning of waterstop.

Placement

The existing concrete surface should be cleaned by sand blasting or grinding the surface to assure a solid, clean surface to bond the Retro-fit waterstop. Apply a bed of epoxy, approximately 1/8 inch thick to the concrete surface. Place the Retro-fit waterstop in place prior to the curing of the epoxy, securing the waterstop with stainless steel batten bars and anchor bolts (powder actuated headed fasteners such as Hilti, Ramset, etc. may also be used). Apply one side at a time, making sure the Retrofit is positioned to eliminate any air pockets or voids between the waterstop and existing concrete.

Butt splicing should be accomplished by thermally fusing the free ends together. Heating irons are available for this purpose. Factory fabrications should be used for transitions and changes of direction.

STANDARD INSTALLATION BELOW:



Splicing

Waterstops may need splicing at intersections, abrupt changes of direction, or to form longer lengths. Field splicing of straight butt joints is fairly simple. Mitered fittings such as ells, tees and crosses in both flat and vertical styles, are harder to splice correctly. We recommend that these types of fittings be factory fabricated. Please contact us for more details.

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Founded in 1989, BoMetals has become an industry leader in the design and manufacture of concrete and masonry accessories.