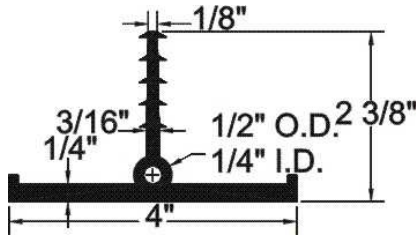


**PRODUCT DATA SHEET**  
**RF-4316**



| Head of Pressure | Pounds per Lineal Foot |
|------------------|------------------------|
| N/A              | 0.89                   |

**WHERE TO USE RETRO FIT WATERSTOP**

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

| <b>PHYSICAL PROPERTIES OF PVC WATERSTOP</b><br><b>Meets or Exceeds CRD C-572 and Bureau of Reclamation</b><br><b>Made of Raw Virgin Material with no pigments</b> |                |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| Typical Properties                                                                                                                                                | ASTM Method    | Minimum Value            |
| Water Absorption                                                                                                                                                  | D-570          | 0.15%                    |
| Tear Resistance, lb/in (kg/cm)                                                                                                                                    | D-624          | 300 (53.5)               |
| Specific Gravity, (+/-0.05)                                                                                                                                       | D-792          | 1.38                     |
| Hardness, Shore A (+/-5, 10 sec. delay)                                                                                                                           | D-2240         | 80                       |
| Tensile, psi (kg/cm <sup>2</sup> )                                                                                                                                | D-638, Type IV | 2000 (140.61)            |
| Elongation %                                                                                                                                                      | D-638, Type IV | 350                      |
| 100% Modulus, psi (kg/cm <sup>2</sup> )                                                                                                                           | D-638, Type IV | 725 (50.75)              |
| Brittle Point (Tb)                                                                                                                                                | D-746          | -35° F / -37° C (Passed) |
| Stiffness in Flexure psi (kg/cm <sup>2</sup> )                                                                                                                    | D-747          | 600 (42.18)              |
| Ozone Resistance                                                                                                                                                  | D-1149         | No Failure               |
| <b>Accelerated Extraction, CRD-C572</b>                                                                                                                           |                |                          |
| Tensile, psi (kg/cm <sup>2</sup> )                                                                                                                                | D-638, Type IV | 1600 (112.49)            |
| Elongation, %                                                                                                                                                     | D-638, Type IV | 300                      |
| <b>Effect of Alkali, CRD-C572</b>                                                                                                                                 |                |                          |
| Weight Change, %                                                                                                                                                  | -----          | -0/+0.25                 |
| Change in Hardness, Shore A                                                                                                                                       | D-2240         | +/-5                     |

**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.

**Location & Placement of Retro Fit**

First, the existing concrete surface that will become a joint should be located by use of the construction drawings for the project. The existing concrete surface should be cleaned (sand blasted or grinded) to make sure the epoxy can have the best adhesion and seal. Then apply a layer of epoxy to the existing concrete surface that is little wider than the base of the Retro Fit on both sides. The epoxy should be approximately 1/8" thick. Apply the epoxy per epoxy instructions. Before the epoxy cures, secure the Retro Fit with stainless steel batten bar and anchors. When securing the Retro Fit with stainless steel batten bar and anchors, if it is a two batten bar system, it is important that they only be secured one side at a time to be able to position the Retro Fit to eliminate voids and/or air pockets.

**Placement of Concrete**

Care should be taken during concrete placement 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 Retro Fit & concrete.

**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.

**Accessories**

- 3/16" x 1 1/4" x 119 1/2" Stainless Steel Batten Bar
- 2 1/4" x 1/4" Stainless Steel Anchors
- BoMetals Retro Fit Epoxy

|                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 141 Hammond Street<br>Carrollton, GA 30117<br><br>Phone 770-832-2000 ■ 800-862-4835 ■ FAX 770-832-2095<br>Visit our website @ <a href="http://www.bometals.com">www.bometals.com</a><br>Address email to <a href="mailto:info@bometals.com">info@bometals.com</a><br><br><i>Founded in 1989, BoMetals has become an industry leader in the design and manufacture of concrete and masonry accessories.</i> |
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