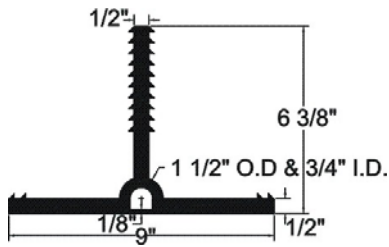


TPER PRODUCT DATA SHEET
TRF-912



Pounds per Lineal Foot

3.34

TPER Waterstop is manufactured from a specially formulated Thermoplastic Vulcanizate Rubber. This product has excellent physical properties and chemical resistance and will assure an owner of a facility that require containment for environmentally sensitive materials.

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.

<i>PHYSICAL PROPERTIES OF TPER WATERSTOP</i>		
Typical Properties	Nominal Value	ASTM
Hardness Shore A, ±3	90	D-2240
Specific Gravity	0.96	D-792
Tensile Strength, psi (MPa)	2300 (15.9)	D-412
Elongation, %	530	D-412
Brittle Point, °F (°C)	-65 (-54)	D-746
Stress @ 100% Elongation, psi (MPa)	1000 (6.9)	D-638
Ozone Resistance	Passed with no cracking at 500 pphm	D-1171

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 manufacturer 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
- TPER Retro Fit Epoxy—TRFE-1G

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