

MarMac[®] Polyseal Pipe Coupler

Polyseal is a high-strength, reinforced coupler that delivers reliable silt-tight performance. It consists of thick rubberized bonding mastic that provides a tight seal around pipe.

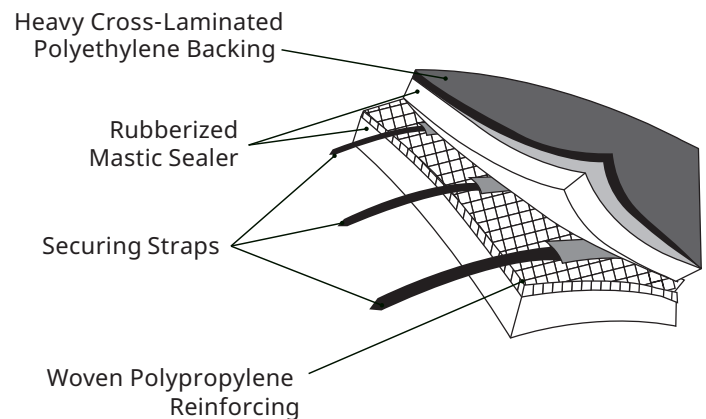
The coupler incorporates a shear and puncture-resistant internal fabric with a chemical-resistant, cross-laminated polyethylene outer cover. Securing straps are engineered within the coupler to perform as hose clamps, providing a seal against soil infiltration and ensuring that joints stay both silt-tight and flexible.

Features

- Seals bell-and-spigot and butt joints from 200-1500 mm (8"-60") diameters
- Provides a permanent seal
- Applications include new installations or repairs
- Couples dissimilar pipe, materials and corrugations

Benefits

- Easy installation
- Permanent seal against soil infiltration
- Proven performance
- Quick and easy field repairs



MarMac Polyseal Pipe Coupler Specification

Scope

The MarMac Polyseal Coupler is a connection for 200 to 1500 mm (8" through 60") N-12® pipe.

Material Properties/Performance

The coupler shall have an outer layer of cross-laminated polyethylene with an inner layer of rubberized mastic that is reinforced with a woven polypropylene fabric. There shall be a protective film against the mastic that is removed when the collar is applied to the joint.

Securing straps shall be located within the coupler: straps shall be oriented such that the strap falls at the joint and the remaining straps are on either side of the joint, in between the corrugations. The securing straps shall be isolated from the mastic allowing the straps to tension with equal force around the pipe circumference.

The coupler shall be designed so that when it is applied around the joint the ends shall overlap at least 200 mm (8"). When the straps are secured a polyethylene/rubberized mastic flap shall completely cover the straps.

Installation



Step 1: Clean the external portion of the joint to ensure that foreign materials do not interfere with direct contact between the mastic sealer and the joint to be sealed.

Place the coupler around the pipe, centered at the joint and remove the protective film (mastic side facing inward).



Step 2: Make sure that the center strap is in the butt joint groove and that the outside straps are on each side of the joint between the corrugations. Tighten the straps with the proper tools, starting with outside strap.

750 mm (30") and larger Polyseal couplers require banding tool. Banding tool can be ordered from ADS with couplers.



Step 3: Remove the protective film from the closing flap and cover the exposed portion of the strap, completing the joint.

