

DISSIMILAR PIPE COUPLER

1. Description

Dissimilar pipe couplers are used to seal a butt joint connection between two different types or outside diameters of pipe. The inside diameters of pipes to be connected should measure within one inch of each other unless otherwise directed by the RCE.. Couplers can be used on pipes and end treatments with inside diameters ranging from 15” to 72”. The coupler can be used to connect pipes of different materials, i.e. aluminum, HDPE, and concrete.

2. Material

Ensure that dissimilar pipe couplers conform to ASTM C877, Type II Plastic Film and Mesh Reinforcement Mastic Band. Provide material certification to RCE.

Ensure that the tie straps are steel with a minimum width of 5/8” and conform to ASTM D3953.

Store dissimilar pipe couplings in their original packaging, out of direct sunlight and protected from the elements. Keep materials away from direct heat, sparks and open flame. For optimum results, store couplers in a tepid environment (60°- 80°F) prior to installation.

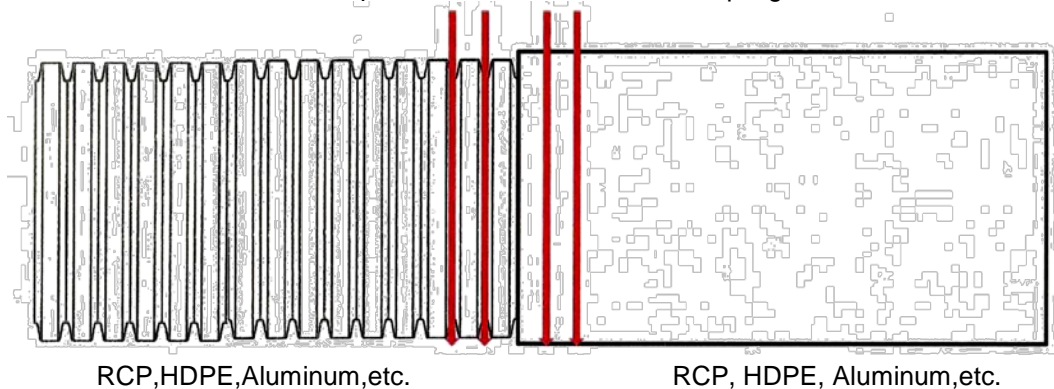
3. Installation

Butt pipe ends together inserting the smaller pipe inside the larger pipe. Align the pipe for efficient drainage flow. With the pipe firmly seated on the bedding, dig a hole under the joint to allow the coupler to be passed through during installation. Clean the external portion of the joint to ensure that foreign materials do not interfere with the direct contact between the sealer and the pipe surface to be sealed.

Ensure that the coupler completely encircles the outside diameter (OD) of the largest pipe and overlaps it by at least 8 inches.

Place the coupler around the pipe, mastic side to the pipe, spanning the joint (see illustration below for strap placement). Remove the protective release film and apply the coupler with the overlap at the top of the pipe. Secure the two outside straps starting with the larger OD pipe with the proper tools. Then tighten the two inside straps. Cover the exposed strap work area with the closing flap to complete the joint. Ensure during installation to not touch the mastic side of the coupler to itself since the coupler may become fouled and need to be replaced. Backfill and compact the removed bedding material under the coupled joint as described in SC-M-714.

Strap Placement for Dissimilar Coupling



4. Measurement:

SUPPLEMENTAL SPECIFICATION

Measure dissimilar pipe couplers by each location where pipe of different types or outside diameters are to be connected. Include in measurement all materials and work to complete the pipe coupler.

5. Payment:

Payment will be made for each location.

Item number	Description	Unit
7197070	DISSIMILAR PIPE COUPLER	EA