

S4.03 PVC Coupling Specification

Scope

This specification describes the PVC Coupling for use in joint repair of surface drainage applications.

Requirements

PVC couplings are manufactured from SDR 35 Sewer PVC pipe stock.

All PVC couplings shall be manufactured to meet the mechanical property requirement for fabricated fittings as described in ASTM D3034 and F679.

Joint Performance

Joints created by the PVC coupler shall be manufactured with a bell coupling sized to accept dual wall corrugated HDPE pipe with a rubber gasket. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly. Gaskets supplied with the coupling shall meet the requirements of ASTM F477.

The joint shall be watertight according to the laboratory requirements of ASTM D3212. Joints shall remain watertight when subjected to a 1.5° axial misalignment.

Material Properties

PVC coupling shall be manufactured from SDR 35 Sewer PVC pipe stock meeting ASTM D3034 for 4- through 15-inch diameters or F679 for 18- through 24-inch diameters.

Installation

Installation shall be in accordance with ADS pipe installation instructions using typical flexible pipe installation methods. Contact your local ADS representative or visit www.adspipe.com for latest installation instructions.

