

Inflow & Infiltration Solutions & Equipment

Winter 2018

EPOXY COATING USED ON BADLY DETERIORATED MANHOLES

PROBLEM:

A project in the city of Coquille, Oregon, required the rehabilitation of 15 badly deteriorated 48-inch manholes located in a flood plain that is largely swampland. Most locations were inaccessible for the delivery and utilization of spray equipment.

SOLUTION:

Neopoxy International is the manufacturer of high-strength, corrosion-resistant sprayable and hand-applied NPR-5300 series **epoxy resins**, specifically designed for manhole coatings. Per Neopoxy International's recommendation, Michels used 3-gallon One-Step KITS of trowelable epoxy resin NPR-5305. The kits are easy to use since both parts of the epoxy system are preloaded in the same container. They don't require spray equipment, rather just an electric drill with a paint blade and a spatula. Using the specified 250-mil thickness, Michels hand-applied the epoxy to around 80 percent of the work area. The remaining area was sprayed with NPR-5304, another Neopoxy International epoxy product, to a thickness of 250 mils.

Result: The epoxy resin was successfully applied by the crew of three on the deteriorated manholes.

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