

Epoxy Coating Used on Badly Deteriorated Manholes
Published in Inflow & Infiltration Solutions and Equipment
January 2018

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 LLC 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.

Link: <https://www.iandimag.com/editorial/2018/01/pipes>

