

Municipal Sewer & Water

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Epoxy Used for Coating New Large-Diameter Manholes at Arizona Housing Development

Problem: At a new housing development called El Cidro, the city of Goodyear, Arizona, elected to coat 14 new 60-inch manholes with epoxy to extend their lifespans. The manholes were as deep as 36 feet.

Solution: For this project, Manhole Coatings chose to use Neopoxy's high-strength, corrosion-resistant NPR-5304 epoxy system applied via plural component spray equipment. First, the manholes were pressure-washed at 4,000 to 5,000 psi. Although NPR-5304 is a totally hydrophobic product and can cure underwater, hot air was then blown on the surface for 15 to 30 minutes in order to get maximum adhesion. Following this preparation, NPR-5304 was sprayed onto the surface in one pass as a monolithic 125 mil coating.

Result: The project was completed successfully and the manholes were in service shortly after application. Through this application of NPR-5304, the lifespan of the manholes was extended by approximately 50 years. 510-782-1290; www.neopoxy.com

Link: https://www.mswmag.com/online_exclusives/2023/06/epoxy-used-for-coating-new-large-diameter-manholes-at-arizona-housing-development