

Product Case History



Disi Al Mudawarra to Amman (Jordan) Pipeline

LOCATION: Amman, Jordan

DATE OF APPLICATION: December 2010

MARKET: Water & Wastewater

TYPE: Rehabilitation

OWNER: Government of Jordan, Jordanian Water Ministry

PROJECT SIZE: 1,600,000 Liters

AREA COATED: Exterior of Pipeline

SUBSTRATE: Steel

EXPOSURE: Buried in soil

SURFACE PREP: SSPC-SP 10 (Near White Blast)

PRODUCTS: Plasite 4500

PROJECT DESCRIPTION:

The Disi Al Mudawarra to Amman water conveyance project, owned by the Government of Jordan, overseen by the Jordanian Water Ministry, and built by GAMA from Turkey. The pipeline is approx. 350KM long. Pipe diameter is about 60 inches. The project presented several challenges not only in terms of its size and magnitude, but it is the first of its kind in Jordan.

COATING SELECTION EXPLANATION:

The selection process was extremely thorough and needed many technical requirements. Plasite 4500, Carboline's 100% solid epoxy technology was approved and applied at several pipe fabrication sites in Turkey.

The project presented several obstacles but Carboline's advantage was the ability to spray 100% solids products to the desired thickness in one coat, along with the desired quick cure time. The design thickness was 500 microns (20 mils), and overlap areas were tested and approved for up to 85 mils thickness, for overlap areas over welds and other areas. Competitor products could not do that in one coat.

Plasite 4500's quick drying and curing times ensure a quick turnaround and a fast installation.

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ADDITIONAL PHOTOS:

