



EXTREME PROTECTION IN THE HARSH OF ENVIRONMENTS

Tasked with transporting gas from offshore oil and gas production facilities to onshore LNG process facilities; the Angola LNG pipelines require high performance coating solutions which aid the smooth flow of gas within the pipeline.

Sherwin-Williams' Macropoxy™ P100 coating was selected to provide an internal flow coat for two projects. The first consisted of a 78 km long section of pipeline, which incorporated pipes of various diameters including 18", 22" and 24" with a length of 12.3 m per section.

THE SECOND, THE ANGOLA BLOCK 17, CONSISTED OF AN 80 KM LONG SECTION, WITH A DIAMETER OF 24" AND A LENGTH OF 12.3 M PER SECTION. TO DATE SHERWIN-WILLIAMS HAS SUPPLIED 50,000 LITRES OF MACROPOXY P100 ACROSS BOTH PROJECTS TO PROVIDE LONG-TERM PROTECTION AGAINST CORROSION.

CLIENT:
BSR Corus, Hartlepool

MAIN CONTRACTOR:
Total Oil and Gas

LNG PIPELINE, ANGOLA



SOLUTION

The selected system consisted of a single coat of Macropoxy™ P100; a two pack epoxy primer/finish flow coat, designed specifically to protect the substrate against corrosion.

The internal surface of the pipes was blast cleaned to Sa2½ leaving an average profile of 40-70 µm. Macropoxy P100 was then applied in red oxide to a nominal thickness of 75 µm DFT (Dry Film Thickness).

The coating was applied using airless spray equipment, with the nozzle held stationary whilst the pipes were rotated.

Macropoxy P100 was selected for its reliability and proven track record; tested both in our onsite test centre and by third parties, to ensure its performance when needed most.

SUBSTRATE

Mild steel pipes.

REQUIREMENTS

Internal flow coating to assist smooth flow of gas.

SPECIFICATIONS

Blast clean to Sa2½ then apply Macropoxy P100 flow coat to nominal thickness of 75 µm DFT.

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe. Our broad portfolio of high-performance coatings and systems that excel at combating corrosion helps customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including oil and gas, water and wastewater, bridge and highway, steel fabrication, flooring, food and beverage, rail and power, marine and passive fire protection.

SHERWIN-WILLIAMS®

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