



LNG Pipeline

Angola

Project

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 kilometre long section of pipeline, which incorporated pipes of various diameters including 18", 22" and 24" with a length of 12.3 metres per section.

The second, the Angola Block 17, consisted of an 80 kilometre long section, with a diameter of 24" and a length of 12.3m per section.

To date Sherwin-Williams has supplied 50,000 litres of Macropoxy™ P100 across both projects to provide long-term protection against corrosion.

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 microns DFT.

Area coated: Complete internal area of each pipe.

Client: BSR Corus, Hartlepool.

Main contractor: Total Oil and Gas.

Consultant engineer: N/A

System

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 between 40 and 70µm. Macropoxy™ P100 was then applied in red oxide to a nominal thickness of 75µm 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.



The Sherwin-Williams Difference

By putting our customers first, we know that the innovation, imagination, research and development we put into each and every product will be worth it. You are at the centre of our thinking wherever we operate around the world across five continents whether it is advice, specification or on-site inspection. You are the reason we exist. This is the Sherwin-Williams difference.



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