



Case study: Coating over 300 new Pipespools

Pipespools would be subject to service in seawater in Angola.

Client

Oil & Gas industry, UK.

Application date

June 2021.

Scope of work

Client required over 300 brand new pipes to be coated to protect from seawater damage, before being shipped overseas for service.

Products

Internal: Polyglass VEPG and Polyglass VEF.
External: Plasmjet ZF and Corrothane AP1.

Substrate

Carbon Steel.

Coating system

Internal

- Internal grit blast to ISO 8501-1 Sa 2½.
- Complete blow down, sweep and vacuum clean.
- Polyglass applied with a pipe sprayer to a minimum DFT of 1250 microns.
- Thickness testing and spark testing following adequate cure at 17kv

External

- Surface protection removed, edges dressed and welds prepared to comply with Corrocoat spec 6/40, weld finish.
- Grit blast to ISO 8501-1 Sa2 ½ .
- 2 coats of Plasmjet ZF and a single coat of Corrothane AP1.

Coating credentials

To prevent corrosion of the under gasket, we recommended that the flange faces be rebated and coated to prevent under gasket corrosion.