



## 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: Plasmet 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 SA 2 1/2.
- 2 coats of Plasmet 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.