



## Hydro Vortex Drop Shaft Pipework

### Client

Water and Waste Management, UK.

### Application date

September 2021.

### Scope of work

Corrosion protection for pipes transporting ground water with high saline and chloride content.

### Products

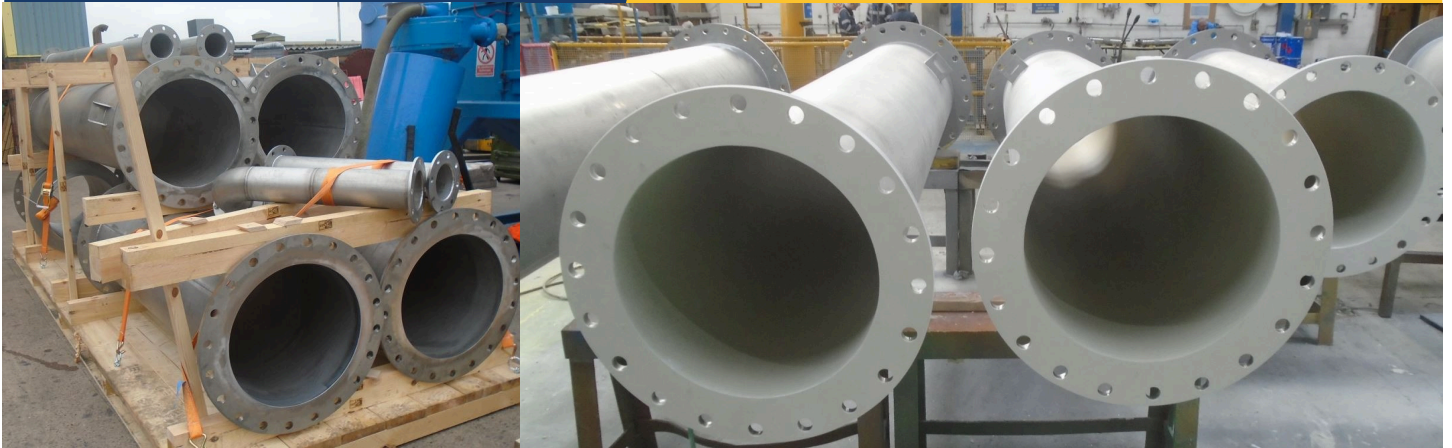
Internal: Polyglass VEF & Corrocoat Armagel.  
External: Polyglass Zipcoat.

### Substrate

Stainless Steel.

### Coating System

- Abrasive blasted internal and externals to ISO 8501-1 cleanliness standard Sa2½ with a minimum surface area of 50 microns.
- Applied Polyglass VEF internally to achieve a DFT of 500 microns.
- Spark test following coating.
- Applied Corrocoat Armagel internally to achieve a minimum overall DFT of 1850 microns.
- Thickness checked.
- Abrasive blasted externals with new abrasive in accordance with ISO 8501-1 to Sa2.
- Pack and prepare for dispatch.



### Coating System continued...

- Applied Polyglass Zipcoat to the externals to achieve a minimum DTF of 800 microns for the drop line.
- Pack and prepare for dispatch.

### Coating credentials

**Polyglass VEF:** a glass flake vinyl ester acrylic co-polymer. Excellent in immersed environments. Excellent flexibility, undercutting resistance and sliding abrasion resistance.

**Corrocoat Armagel:** A two pack cured vinyl ester, loaded with glass flake and silicon carbide. Excellent abrasion resistance in immersed environments. Applied over Polyglass VEF as a protection layer.

**Polyglass Zipcoat:** A two pack cold cured multi-monomer isophthalic polyester system loaded with ECR glass flake. Rapid curing coating, with durable corrosion protection and cures below freezing temperatures. It is a single coat application with good edge coverage.

The Corrocoat range of coatings has been applied around the world since the early 1970's. Corroserve have long term service records in aggressive environments in excess of 20 years, for a variety of process equipment and vessels. However, an excellent coating system also requires the best surface preparation, application and inspection and testing. These are services all carried out by Corroserve when the system is applied.