



## Internal Protection of Cooling Water Pipeline

## CASE STUDY

### Scope of Work

To provide long-term protection for the internal surfaces of cooling water pipelines exposed to saline conditions. The goal was to mitigate corrosion, erosion, and biofouling in a marine-influenced environment with minimal future maintenance.

### Solution

Arudra Coatings was selected for its expertise in industrial epoxy systems and reliable execution in corrosive environments. We applied Duromar® HPL-2510, a high-build, ceramic-reinforced epoxy, ensuring strong adhesion, zero VOC, and long-term resistance to seawater corrosion, erosion, and biofouling.

### Product

DUROMAR HPL-2510 is an outstanding, versatile and easy to use 100% solids material. It can be used for circulating water pipe, sewage treatment systems, or process water tanks. It can be applied by brush, roller or with conventional spray equipment.

### Application procedure

- **Surface Prep:** Grit blasted to SA 2.5
- **Cleaning:** Dust and debris removed using air and vacuum
- **Application:** Two coats of Duromar® HPL-2510 via airless spray
- **Curing & Inspection:** Ambient curing; DFT and holiday testing done to ensure coating integrity

