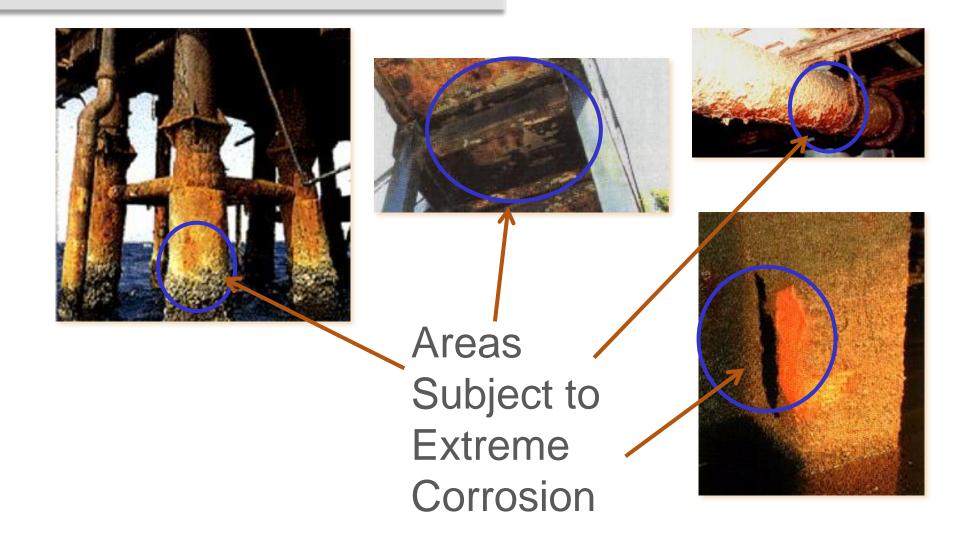
# Problem areas – Marine & Coastal





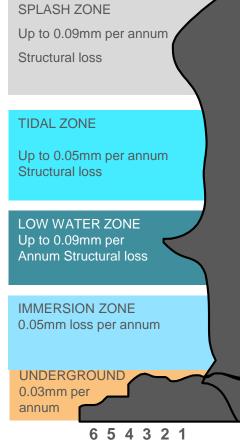
## Problem areas – Marine & Coastal

Splash Zone

Tidal Zone

Low Water Zone





STEEL LOSS (mm) OVER 10 YEAR PERIOD

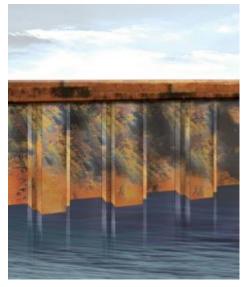


## The Solution – 208 Ceramic UW

- Two pack solvent free epoxy
- Flexiblised expands and contracts with the substrate
- Designed to be applied underwater and above the waterline
- Will cure at 5°C and above
- Ceramic enhanced fillers to give better erosion resistance
- Excellent adhesion to wet surfaces
- Thixotropic ensuring little wastage on underwater applications
- Resistant to sea water, chemicals, sewage, oils, buried conditions



## The Solution – 208 Ceramic UW



SIMPLE SOLUTION Aqua blast Mechanically prep Manual prep using scrapers

Take away as much corrosion from the surface above and below the waterline



LONG TERM PROTECTION Apply in a single coat High Build Seamless finish

Cures to give an erosion resistant finish Flexiblised system – expands and contracts with surface



## The Solution – 208 Ceramic UW

Recommended preparation of the substrate:

Aqua-blasting using entrained garnet Environmentally friendly Provides a good profile and cleanliness



## Recommendation Coating Application:

Displacement of water from the substrate by using the correct coating application

Correct thickness of coating: 1 × 750microns -1000microns

Apply by hand using applicator tools Apply by GRACO pump to brush head







Underwater Pipeline - UK

- Surface was aqua blasted
- 208 Ceramic UW applied at 1mm WFT
- Product applied using GRACO Extreme 45:1 pump
- Special brush attachment was used to assist diver application

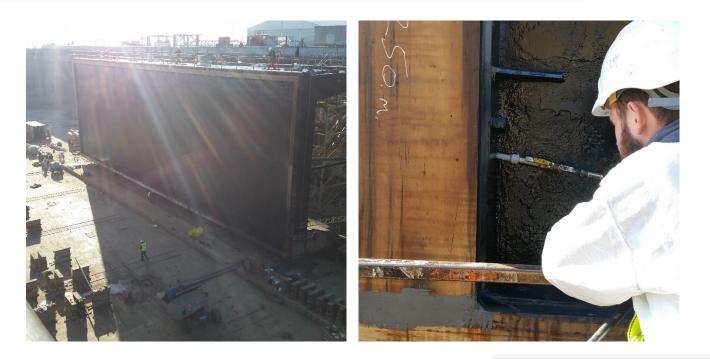




# Jetty Structure - UK

- Surface was hydro-blasted
- 208 Ceramic UW applied at 1mm WFT
- Product was applied using applicator tools
- Single coat application





Dock Gate Injection Contract- UK

- 208 Ceramic UW injected behind dock gates timbers
- Injected using GRACO Extreme 45:1 pump
- Fill voids ranging from 5mm 45mm
- Chosen due to flexibility and surface tolerance





Dock Gate Injection Contract- UK

- Contract awarded to refurb 18 dock gates
- 208 Ceramic UW was injected behind the timbers
- Used to fill voids ranging from 5mm 45mm
- All work carried out underwater with divers
- Product pumped from topside to below the water line using GRACO Extreme 45:1 pump

