

# Deal Pier

## Case study

**Focus products:** Intercrete® 4800, Intercrete 4804, Intercrete 4840, Intercrete 4870

**Location:** Kent, UK

**Client:** Dover District Council

**Contractor:** John Martin Construction

**Summary:** Corrosion protection of steel support structure and reinstatement of concrete encasement



### Background

Designed by Sir W Halcrow & Partners, Deal fishing pier was built in the 1950's and consists of a structural steel frame, supported on steel piles.

Although part of the steelwork had been encased in concrete to provide corrosion protection, the whole structure was showing signs of substantial deterioration requiring major renovation.

### The solution

In the tidal zone, Intercrete 4804 was used to reinstate spalled concrete due to its excellent wash-out resistance. In all other areas Intercrete 4800 was used because of its high build qualities. On the exposed steel sections, Intercrete 4840 was applied to the piers and support structure to prevent further chloride induced corrosion. Able to withstand early immersion, Intercrete 4840 has excellent resistance to impact and water ingress and provides a total barrier against corrosion. Intercrete 4870 was applied as a sealer coat to all areas to assist water retention during the early stages of the curing process and to help improve wash-out resistance.