

Project Profile - Coastal Structures

PROJECT

Deal Pier, Kent

SUMMARY

Corrosion protection of steel support structure and reinstatement of concrete encasement

PRODUCTS

Monomix
Marine Mortar S
Cemprotect E942
Curing Membrane WB

CLIENT

Dover District Council

CONTRACTOR

John Martin Construction

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, **Marine Mortar S** was used to reinstate spalled concrete due to its excellent wash-out resistance. In all other areas **Monomix** was used because of its high build qualities. On the exposed steel sections, **Cemprotect E942** was applied to the piers and support structure to prevent further chloride induced corrosion. Able to withstand early immersion, **Cemprotect E942** has excellent resistance to impact and abrasion and provides a total barrier against corrosion. **Curing Membrane WB** 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.



FM 41091
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Quality
Environmental
Health & Safety

Flexcrete Technologies Limited
Tomlinson Road • Leyland
Lancashire • United Kingdom
PR25 2DY

Tel: +44 (0) 845 260 7005 • **Fax:** +44 (0) 845 260 7006
Email: web@flexcrete.com • **Web:** www.flexcrete.com

