

Client: <i>La Corbiere</i>	Industry: <i>Industrial</i>
Scope: <i>Lighthouse Refurbishment</i>	Date: <i>May 2017</i>
Location: <i>Jersey</i>	Products: <i>RH 800, RI 800CRS, RA 500M & RN 500TC</i>

Overview

Seawater had penetrated the structure completely, with water forming within the small air pockets found throughout the structure. The internal walls were also rotting and were continuously wet throughout the winter months. After trials were conducted with several products, it was found that the only suitable solution was **Chemco**.

Challenge

The lighthouse had to be encapsulated due to the harsh weather conditions found next to the coast and to stop further water ingress. The encapsulation also ensured that no debris from the surface preparation procedures would contaminate the sea.

Solution

All external cracks were opened up; resulting in the release of water held within the walls. Abrasive blasting was utilised as the surface preparation method. One primer coat of **Damp-crete™ RH 800** was applied over the entire concrete structure. All holes and cracks were then filled with **Chem-concrete™ RI 800CRS**. One coat of **solvent-free, wet tolerant epoxy Epo-chem™ RA 500M** was then applied as an impermeable barrier before one high gloss topcoat of **Fast-guard™ RN 500TC** was applied.

Outcome

The project was completed within the given timeframe and to the complete satisfaction of all parties involved.

Benefits

- Solvent-free solution
- Environmentally friendly
- High gloss finish
- Excellent saltwater resistance
- No project delays
- Long-term maintenance-free protection

Continued overleaf

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Photographs:

- No. 1 Scaffolding Erected
- Nos. 2-3 Original Conditions

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Photographs:

- Nos. 4-8 Completed Application

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