

Project Profile - Utilities



PROJECT

**Barmac Fabrication Yard, Nigg
South Arne, Scotland**

SUMMARY

Reinstating cover on a 120,000,000
gallon gravity tank

PRODUCTS

Cementitious Coating 851

CLIENT

Hess Oil

BACKGROUND ►

Slip form methods were used to construct this new reinforced concrete gravity tank and tower which was destined to find its home on the sea bed.

The design was intended to provide the required durability in the harsh environment - permanently immersed in seawater. However, quality checks revealed deficiencies in the planned cover, and a remedial solution was needed to ensure the long term performance.

THE SOLUTION ►

Cementitious Coating 851 is applied directly on to green concrete, a standard 2mm layer curing to provide the equivalent of 100mm of additional concrete cover. Furthermore, the water permeability of **851** is such that the 2mm application is as waterproof as roughly 100mm of typical concrete. **851** also acts as an outstanding barrier to chlorides, independently verified by Taylor Woodrow Technology in a long term chloride ion diffusion test. **851** is a highly cost-effective way of reinstating cover for new and existing constructions, with the added advantage of excellent barrier properties to oxygen and acidic gases.



FM 41091
EMS 597350
OHS 597351

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

