

Project Profile - Utilities



PROJECT

**Roosecote Power Station,
Barrow-in-Furness**

SUMMARY

Waterproofing of Internal Floors

PRODUCTS

Cemprotec E-Floor
Cemprotec EF Primer
Cemprotec EF Grit
Cemprotec Sandseal 75
Monolite

CLIENT

Centrica Energy

CONTRACTOR

Hugh L S McConnell Ltd

BACKGROUND ►

Roosecote Power Station is a gas-fired and former coal-fired power station situated in Barrow-in-Furness, Cumbria. The current power station was the UK's first Combined Cycle Gas Turbine unit (CCGT) supplying electricity to the National Grid.

The entire facility is protected by a fire sprinkler system, including the corridors which carry control cables above the main turbine hall. If the sprinkler system is activated, these corridors would "flood" causing leakage and damage to the main turbines below. An effective and durable waterproofing system was required to seal both the floor and the vulnerable corner joint with the walls.

THE SOLUTION ►

Specialist repair contractor, McConnell's, proposed the use of a system based on **Cemprotec E-Floor**. A 2mm coat of this fluid applied epoxy and polymer modified cementitious compound resists 10 bar hydrostatic pressure, providing equivalent waterproofing to more than 2 metres of good quality concrete. This water based coating be easily applied in awkward areas, particularly under the cable trays, and cures to form a tough, fully trafficable finish.



FM 41091
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OHS 597351

Quality
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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

