

Project Profile - Civil Engineering & Infrastructure



PROJECT

**RAF Waddington, Lincolnshire
Heights**

SUMMARY

Reinstatement to taxiways and
hard-standings on military airbase

PRODUCTS

Fastfill
Cemprotec E-Floor
Cemprotec EF Primer
Cemprotec Sandseal 75

CLIENT

Defence Estates

CONTRACTOR

Red Rose Pavements Ltd

BACKGROUND ►

A base for Squadrons of Nimrod and AWACS, RAF Waddington hosts visiting NATO aircraft, including the vertical take-off and landing Harrier Jump Jet. The concrete taxiways and hard-standings were showing signs of deterioration from weathering and chemical attack from aircraft hydraulic fluid, together with the ground erosion caused by Harrier movements. A cost-effective system was needed to reinstate and prevent the threat of foreign object damage (FOD).

THE SOLUTION ►

Voids and joint arises were reinstated using **Fastfill**, a rapid hardening, single pack repair mortar which needs just 2 hours curing before opening to aircraft movements. Following preparation and saturation with water, surfaces are sealed with **Cemprotec EF Primer** followed by a 2mm application of **Cemprotec E-Floor**, a cement and epoxy modified coating. Silica sand is immediately broadcast into the surface to cure and provide a slip resistant finish. Next day, excess sand is removed and the surface sealed with **Sandseal 75**, a chemically resistant clear polyurethane.



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

