

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

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