

# RAF Waddington, Lincolnshire Heights

Case study 2012

**Focus products:** Intercrete® 4802, Intercrete® 4851, Intercrete® 4850

**Client:** Defence Estates

**Contractor:** Red Rose Pavements Ltd

**Summary:** Reinstatement to taxiways and hardstandings on military airbase

## 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 Intercrete 4802, 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 Intercrete 4850 followed by a 2mm application of Intercrete 4851, a cement and epoxy modified coating. Silica sand is immediately broadcast into the surface to cure and provide a slip resistant finish. On the next day, excess sand is removed and the surface sealed with a chemically resistant clear polyurethane.