

Service reservoir roofs

Case study 2001

Focus products: Intercrete® 4820, Intercrete 4800, Intercrete 4842, Reinforcing Mesh

Location: Highland Region, Scotland, UK

Client: Highland Above Ground Asset Maintenance (HAGAM)

Contractor: Black Isle Civil Engineering

Summary: Repair and waterproofing of 4,000m² of concrete service reservoir roofs

Background

As the fourth largest supplier of water and waste water services in the UK, Scottish Water is familiar with the challenges of maintaining various retaining structures. In the quest to source an innovative range of products to arrest the deterioration of a large number of reservoir roofs, an approved Intercrete system from International® was specified.

The solution

Initially, concrete repairs were completed with Intercrete 4800, an easy to use, high build hand applied mortar, whilst preparation of the surrounding surfaces was achieved with Intercrete 4820. Following this, the external roof surfaces were sealed with Intercrete 4842, a polymer cementitious coating with class-leading elastomeric properties and rapid curing characteristics. In conjunction with Reinforcing Mesh, Intercrete 4842 can be used over crazed or jointed surfaces, and, in this instance, a grit was broadcast into the surface to allow the structure to blend into the countryside, and provide a non-slip finish for foot traffic.

