

Project: Ribbleshead Viaduct Conservation

Client: **THE SETTLE-CARLISLE RAILWAY**

A coloured lightweight repair mortar was required to make good defects and to match the colours of the viaduct stonework. Approximately 3 tonnes of **Nucem HB Mortar** was mixed with a stone red pigment on site and the material was hand placed and moulded to match the appearance of natural stone used to build this landmark structure. Anthony Freschini, Chief Engineer for Settle & Carlisle Railway Trust, commented in 2010 that Nufins repair mortar was ideal for the application, easy to use and had stood the test of time 20 years on.



Project: A1 Western Bypass, Gateshead

Contractor: **Balfour Beatty**

Existing ribbed concrete walls on this road-widening scheme were infilled with **Nucem HB Mortar** in January 2011 by Specialist contracting Services (SCS). Due to low temperatures, a simple scaffolding and tenting arrangement was erected along with space heaters to accommodate the application, which allowed work to be completed on schedule in adverse wintry conditions.

Project: A63 Selby

Contractor:



Nationwide Concrete Finishers were contracted to undertake soffit repairs to this river crossing. The scaffolded platform under the bridge facilitated inspection, breaking out of defective concrete and reinstatement with **Nucem Primer** and **Nucem HB Mortar**. Approximately 10m³ of mortar was used in the project where repairs of up to 1m² x 50mm deep were undertaken in 2007.



Project: Danesfield House, Marlow, Bucks

Contractor:



Danesfield House received a face lift in 1991 from specialist stonemason SCRS. The building was designed by architect WH Romaine-Walker and built in 1901, using a white stone. A lightweight repair mortar that was sympathetic to the stone was required to make good defects and to colour match the substrate, so approximately 7m³ of an Ultra White version of **Nupatch HB Mortar** was factory-blended by Nufins. Danesfield House was sold to Carnation in 1977 and became its corporate headquarters. In 1991 the Grade 2 listed building became a hotel and has hosted as a location for the popular TV series 'Midsomer Murders'.

For more projects please see overleaf



Project: M1 Tinsley Viaduct, Sheffield

Contractor: 

The 35 year old Tinsley Viaduct is a twin deck, steel and concrete structure which carries the M1 motorway and A631 trunk road across the Don Valley, north east of Sheffield. Structural inspection identified that its strength was significantly below that required to carry over 100,000 vehicles every day. To accommodate increasing traffic flows the £82 million strengthening scheme was undertaken for the Highways Agency in 2002-2005. Products supplied included **Nugrout Hispec** and **Deck Repair Rapid** for making good concrete defects prior to waterproofing.



Project: Three Bridges, Northumberland

Client: 

Three of the county's older stone bridges in Northumberland required the use of **Nugrout Flowable Concrete** for repair and strengthening works in 2010-2011. The Grade 2 listed six arched stone footbridge that crosses the River Tyne at Haydon Bridge was built in 1776. Next, the stone and concrete single span arch built in 1911 at Meldon Bridge just off the B6343. (This bridge incidentally is allegedly haunted by a local woman known as Meg O'Meldon). Thirdly, the original stone bridge in Rothbury dates back to the 15th Century and the project was undertaken to restore it as close to how it looked pre 1909, in association with English Heritage because of its monument status. Approximately 14m³ of **Nugrout Flowable Concrete** was used on one of the structures and in the case of Rothbury on the B6342, additional epoxy resin bedding mortar was used on the stone deck.

Project: A361 Barnstaple Bypass, Devon

Contractor: 

This 42m Highways scheme to relieve traffic from Barnstaple town centre, was completed after two years in 2007 and was the largest civil engineering project awarded by the local authority for over 20 years. The scheme included 3.7km of carriageway, 1km of side roads three new junctions, a 409m five span bridge over the River Taw and a 60m long viaduct. Nufins supplied two micro-concretes; **Nugrout Repair Concrete** (5m³) and **Nugrout Flowable Concrete** (3m³).



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