

Structural Repairs - Bridges

M74 Raith Bridge, Motherwell

Nufins supplied **Nucem Concrete** of **Deck Repair Rapid** and **Nugrout flowable Concrete** to the M74 Raith Bridge Project.

Repairs to the bridge included remedial work to reconstruct an end abutment gallery to replace end ballast walls over the abutment, Concrete repairs, replacement of bridge bearings, re-waterproofing and surfacing were also part of the works.

These products were chosen because of their robustness, suitability to application, and finishing characteristics.

Nucem Concrete is a versatile system that may be used in a number of applications such as:

- Repair material to both insitu and precast concrete
- Repair to floors and road wearing surfaces
- Screeding where abrasion and or/water resistance is required
- Repairs to spalled columns and beams using formwork

Other materials supplied include;

Epicon Injection Resin LV which is a thin structural repair epoxy resin crack filling grout.

Due to the uneven nature of the deck, Nufins supplied a levelling screed to improve the surface profile prior to waterproofing.



A66 Surtess Bridge, Stockton

The existing structure carrying the A66 dual carriageway over the River Tees has been replaced by a new wider 3-lane structure, which accommodates slip roads to and from the new South Stockton Link Bridge.

The existing bridge did not meet all engineering standards required to take the latest 40 tonne heavy goods vehicles. Studies had shown that there were problems with concrete bridge supports below the water line. One of the many products supplied was **Nugrout Hi Spec**. This product is a high strength, shrinkage compensated, free flowing cementitious grout which is widely used in a number of applications.

- Complies to Highways Agency Specification
- Structural repairs to piers, soffits and parapets
- Production of bearing plinths
- Rail bedding and alignment
- Grouting of starter bars, holding down bolts etc
- Bedding of precast concrete beams



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