

Case study

Clyde Arc bridge



Key facts

Key vendors: Glasgow City Council

Site: Glasgow City Council

Sector: Civil Engineering

Client: Glasgow City Council

Contractor: Edmund Nuttall

Brief

Under a design and build contract, Edmund Nuttall were commissioned to build a new bridge over the river Clyde down stream of the Kingstone bridge. Construction entailed casting [concrete](#) within and over the river Clyde. Difficulties in compacting the concrete around heavily congested steel reinforcement allied to the health and safety risks associated with working in a river environment compelled the contractor to evaluate alternative concreting solutions.

Following intensive discussions between the site management team and Bardon Scotland technical staff, Cemflow V, a free flowing, self compacting high strength concrete was proposed to meet the contract specification for C55/67.

Solution

Cemflow V enabled the contractor to safely pour upwards of 200m³ into pier structures isolated within the river. Manpower requirements were dramatically reduced to that of inspection only and to monitor the rate of concrete rise.

Our businesses supplying

- Bardon Concrete



Tel:01530 510066

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