

PROVEN PERFORMANCE

*NEW TYNE TUNNEL, JARROW
THE OPTIMUM HIGH EARLY STRENGTH CONCRETE*

TOPROC
RAPID

Product Toproc Rapid 15HR
Client NORTH TYNESIDE COUNCIL
Main contractor BOUYGUES TRAVAUX PUBLICS
Location NEW TYNE TUNNEL, JARROW
Date of completion JULY 2010

A high early strength concrete allowing the opportunity to speed up the construction process and increase productivity.

THE CHALLENGE

Bouygues Travaux Publics were appointed main contractor for the construction of a second vehicle tunnel running under the River Tyne with Tarmac supplying concrete to the south side cut and cover. During construction of the tunnel, however, Bouygues found that they were unable to cut and cover two sections, resulting in these having to be bored through instead. Bouygues therefore approached Tarmac with the challenge, requesting a solution that would ensure the tunnel vault could be placed as quickly as possible.

OUR SOLUTION

Following consultation with Bouygues on their specific needs, Toproc Rapid 15hr was put forward as a solution and developed to offer high early strength of 10N at 12 hours. This strength enabled the contractors to strip shuttering on the same day.

RESULTS AND BENEFITS

The development and use of Toproc Rapid 15hr ensured that, compared to using traditional concrete, the construction time of the tunnel was significantly reduced to only 8 days and the vault placed on schedule.

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For more details contact your toprocrapid@tarmac.com or call **0800 1 218 218**

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