PROVEN PERFORMANCE
NEW TYNE TUNNEL, JARROW
THE OPTIMUM HIGH EARLY STRENGTH CONCRETE

TARMAC
A CRH COMPANY

TOPROC
RAPID
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.

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