Toproc ES offers high early strength with proven high abrasion, high wear characteristics.

THE CHALLENGE
The ballast transfer facility at London Underground’s Ruislip site in north east London was badly worn and needed urgent replacement. A high traffic area, the replacement concrete slab not only needed to have high abrasive resilience, but also needed to be completed with utmost speed and with minimum disruption to the operation of the site.

OUR SOLUTION
The expert team at Tarmac recommended Toproc concrete for its high abrasive qualities and rapid strength times. Capable of achieving 24-hour strengths in the range of 30 to 40N/mm² and a typical 28-day strength of 70 to 90N/mm (60N minimum), Toproc is able to accept traffic after 24 hours. By specifying Toproc in this situation, all the advantages of its high compressive strength and resistance to abrasion were gained, which was key to the project brief.

RESULTS AND BENEFITS
1,250m² of Toproc was delivered to the project in February/March 2005 and through subsequent cube testing across the differing pours, an average of 81.3N/mm² was achieved at 28 days. Following its return to full load use, the first phase slab area was visually given full approval.