

Pumped Grout - Whitburn Coastal Park, Mill Lane, South Tyneside

A mud-slurry drilling contract for the Coal Board - to sink a bore hole for monitoring water levels in mine shafts - hit problems at 10am on May 4th 2010. At a depth of 30m the rock strata was fissured, leading to the unwanted disappearance of the mud-slurry used in the drilling operation! Nufins were contacted to meet with the contractor the same morning and to specify a suitable fast setting product that could be pumped in to plug and seal off these fissures.



Due to the nature of the operation, our technical team specified a choice of two materials which were sent to site that afternoon. First selected was **'Nugrout Flowable Concrete'** which is best pumped through a Putzmeister P11 worm drive pump, but since the contractor was unable to acquire such a pump at short notice and could only acquire a Bauer colloidal slurry pump (not primarily designed to pump micro-concrete), we proposed to revert to the other selected option of **'Nugrout Hispec'**, a pre-bagged free flowing pourable and/or pumpable grout.



The pour commenced at 4pm and by critical control of water addition and observation of the product workability, we successfully pumped approx 2m³ of bagged grout in 2.5 hours, filling the borehole upwards from 30m to 11m deep. This effectively stopped the downtime on the operation. As the grout *bodied-up* and hardened, all leaks were plugged and the mud-drilling process was recommenced after 12 hours the next morning.

The Coal Board and contractor were delighted with technical support and service afforded to them. Nufins responded promptly to a customer request with advice, product specification, delivery of materials and site attendance by technical staff, all within a few hours on the same day.

FOR MORE INFORMATION PLEASE CONTACT US:

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