



London Gateway Port

Completion: 2013

London Gateway Port Extension

Hanson UK is involved in the development of the largest port extension in the UK at London Gateway Port.

Project management

Hanson UK is supplying and managing the first stage of the port extension with the delivery of aggregates, cement, Regen (GGBS) and over 200m³ of concrete over an 18-month period, to two ELBA II00 site plants, producing 100m³ per hour, 24 hours a day, five days a week.

Specialist concrete design

- Working with the main contractor, Hanson UK developed 'value engineered', technical mixes for piling application
- Using experience gained at Sellafield, Hanson UK created mixes that dealt with sulfate and chlorine attack and reduced heat generation in the mass concrete pour, by using mixes with up to 70 per cent Regen (GGBS)

- Developed 'flowing' concrete mixes for the diaphragm wall (DW) piling to place concrete at the bottom of the 40-metre piles

London Gateway

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