

## Tunnelling

**TYPE OF APPLICATION:** Precast Segmental lining

**LOCATION:** Woolwich London UK

**DATE OF CONSTRUCTION:** 2006 - 2007

**ENGINEER:** Halcrow Consulting Engineers London

**CONTRACTOR:** Morgan EST (Formerly AMEC)



South bound bore nearing completion

### Description of the project

Extension to the DLR - Docklands Light Rail system in East London this twin bore tunnel project is 1.8km in length with an internal diameter of 5.3m with a wall thickness of 25cm

The precast segments were produced at the jobsite by Roger Bullivant (Formerly CV Buchan) for the main contractor Morgan EST (Formerly AMEC) with the fibre concrete being supplied off site by CEMEX from a dedicated batching plant some 15km away

The segments were casted in static moulds and eventually stored outside prior to going underground for construction.



Segments casted in static moulds almost no damage in handling

### Solution with Dramix®

**Fibre type:**

RC65/60BN

**Concrete thickness:**

25cm

**Concrete quality:**

>50MPa

**Project size:**

>600 Tons



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