

PROJECT SPOTLIGHT

**Waste Transfer Station
Earlswood, Surrey, UK**

The Novomesh fibre reinforcement system proved an ideal option for this site, providing excellent workability now, and in the future



PROJECT DATA

Project: Waste Transfer Station
Application type: External Slabs
Fibre type: Novomesh 6 & Novomesh 41
Contractor: Dean & Dybal Construction.
Concrete producer: Cemex
Concrete Volume: 400m³
Floor Area: 2,600m²
Completion Date: September 2004

Reigate and Banstead District Council experienced the benefits of fibre reinforced concrete, for their new Water Transfer Station at Earlswood, Surrey. Their initial design requirement for the external slab, which was to be used by heavy plant machinery, was a 200mm deep C40 concrete slab reinforced with 1 No layer of A393 steel wire fabric.

Propex Concrete Systems offered an alternative 150mm deep slab design (C40 mix with a minimum cement content of 330kg/m³) incorporating Novomesh 6 fibre system (Combination of micro & macro synthetic fibres) at a dosage rate of 5.9kg/m³. Novomesh 41, which is a combination of steel and micro-synthetic fibres, was proposed and used in the high abrasion areas.

The proposed designs were fully approved by the project engineers and the use fibre reinforcement as a replacement to traditional steel wire mesh allowed slabs to be constructed more quickly and more cost effectively.

Four hundred cubic metres of fibre reinforced concrete was hand laid in a long strip method, creating a high strength slab which will provide a high quality, durable slab for the new site well into the future.



NOVOMESH®

PROPEX
CONCRETE SYSTEMS

NORTH AMERICA
Propex Concrete Systems Corp.
6025 Lee Highway, Suite 425
PO Box 22788
Chattanooga, TN 37422
Tel: 800 621 1273
Tel: 423 892 8080
Fax: 423 892 0157

INTERNATIONAL
Propex Concrete Systems Ltd.
Propex House, 9 Royal Court, Basil Close
Chesterfield, Derbyshire, S41 7SL. UK
Tel: +44 (0) 1246 564200
Fax: +44 (0) 1246 465201
www.fibermesh.com

© 2006 Propex Concrete Systems Corp.
PS - INT 110/07