



River Crescent, Nottingham

Sika Watertight Concrete System

Sika Concrete System:	Watertight Concrete System, SikaSwell® Jointing System
Client:	Trent Park Developments
Architect:	Franklin Ellis Architects
Structural Engineers:	BWB Consulting
Contractors:	Clegg Construction
Concrete Supplier:	Lafarge Readymix

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A dry underground car park will be assured for the new residents of River Crescent, the first development nearing completion as part of the Nottingham Waterside Regeneration project. This is because Structural Engineers, BWB Consulting have specified **Sika Watertight Concrete** for all external walls and floors in the underground basement areas of the building, which is being erected adjacent to the River Trent. The close proximity to the river exaggerates the problem of water ingress and the new generation, cost effective **Sika Watertight Concrete** was preferred over more traditional methods.

Working closely with **Sika**, Lafarge have supplied nearly 2000 cubic meters of **Sika Watertight Concrete** to main contractor Clegg Construction. The **Sika Watertight Concrete** system involves two admixtures; **Sika Viscocrete**[®] superplasticiser which greatly reduces the water cement ratio of the concrete, reducing its permeability whilst increasing strength and durability, and **Sika 1+** which blocks the capillary pores within the concrete matrix. The **Sika** system has a long



track record and meets the requirements of BS8102 to grade 4 (depending on section thickness).

The **Sikaswell**[®] jointing system was also used in conjunction with this to offer further protection to horizontal and vertical construction joints.

This Eco-friendly development is being constructed for Trent Park Developments to a design by Franklin Ellis Architects. There are 146 luxury apartments and a health and fitness club. Wind turbines will provide electricity to light and heat the communal areas and the River Trent is being utilised as the heat source for the swimming pool.

It is hoped that River Crescent is the first step towards a thriving riverside community that will provide an exceptional living and working environment for residents.

Sika Concrete Systems

Specialist Concretes

Corrosion resistant concrete
Micro-silica concrete
Underwater concrete
Early strength concrete
Self-compacting concrete

Admixture Range - premix and precast concrete

Concrete admixtures
Mortar admixtures
Grouting admixtures
Powdered admixtures

Watertight Concrete

Solutions for basements and swimming pools
Watertight jointing systems
BBA certified
40 year track record



For further information or to discuss your project requirements
E-mail concrete@uk.sika.com or telephone **01707 394444**

Sika Limited, Watchmead, Welwyn Garden City, Herts, AL7 1BQ
Tel: 01707 394444 Fax: 01707 329129 e-mail: concrete@uk.sika.com www.sika.co.uk