



## Private House, Sutton Coldfield

### Sika® Watertight Concrete System

<b>Sika® Concrete System:</b>	Sika® Watertight Concrete System, SikaSwell® Jointing System
<b>Client:</b>	Home Owner
<b>Contractor:</b>	Robinsons Construction Group
<b>Concrete Supplier:</b>	Bardon Concrete

# Private House, Sutton Coldfield

To incorporate a home cinema into a large extension to a private house in Sutton Coldfield, the owner decided to go underground! With the soil being clay based and the water table just centimetres below, a watertight solution was an essential requirement in building the basement.

Robinsons Construction Group, the main contractor on the build, decided upon **Sika® Watertight Concrete** as the solution to this problem. The BBA certified **Sika® Watertight Concrete** system incorporates two state-of-the-art powerful **Sika®** admixtures. These work firstly by reducing the water cement ratio, whilst producing a highly workable concrete to aid placement and compaction, and secondly, by blocking the remaining capillary pores.

Wayne Robinson from Robinsons Construction Group said: "From the start of the project, **Sika®** have provided an excellent, professional service, with good communication along with sound advice and technical back up. Going with **Sika® Watertight Concrete** was an easy decision to make, and this has proved totally successful".

Bardon Concrete supplied 200 cubic metres of concrete to the project, using the bagged **Sika® Watertight Concrete** system. This consists of a powdered version of the system in dissolvable bags for ease of use. The bags are simply added to the concrete mix through the back of the ready mix truck at a quantity of one per cubic metre of concrete, prior to leaving



the production plant. This simple operation is fast and easy and ensures a correct dosage every time.

Construction joints were sealed with the **SikaSwell®** jointing system, which consists of joint sealing profiles that expand on contact with water to seal any voids between adjoining concrete slabs. **Sika®** have solutions for movement and non-movement joints.

**Sika® Watertight Concrete** is a proven alternative to external membrane systems, saving time both at the design and construction stage. The system has a successful track record going back 50 years.

## 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  
50 year track record

**For further information or to discuss your project requirements**  
E-mail [concrete@uk.sika.com](mailto: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](mailto:concrete@uk.sika.com) [www.sika.co.uk](http://www.sika.co.uk)

**Innovation & Consistency** since 1910