

# BUILDING REFURBISHMENT PROTECTING YOUR CONCRETE ASSETS

BUILDING TRUST



# INTRODUCTION

Sika building refurbishment is based on helping the owner protect their assets, and prolonging the life of the building, by rehabilitating and restoring the concrete surfaces back to their original quality. Where required, Sika provides structural strengthening solutions for concrete to take increased loads. Sika's solution and products are supplied in accordance with BS EN 1504.

## REFURBISHMENT PRODUCTS FOR BUILDINGS:

MORTARS  
COATINGS  
CORROSION MANAGEMENT  
STRENGTHENING

*"Sika has been associated with concrete refurbishment since the company was founded over 100 years ago"*

# MARKETS

Sika repair buildings in these markets and in any markets where concrete has been used in the construction.



HOUSING



EDUCATION



COMMERCIAL



LEISURE



LISTED

# THE REPAIR PROCESS

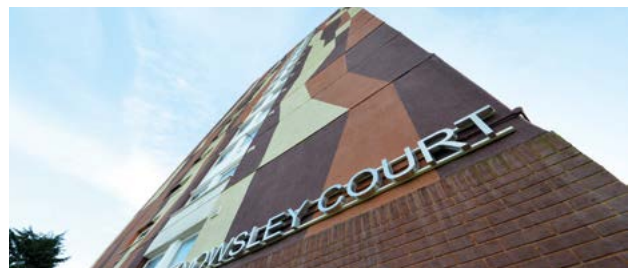
**INVESTIGATION** - carry out an assessment of the structure.

**DIAGNOSIS** - identify the root causes of damage.

**OPTION** - consider the various repair options to offer the client the best value to protect their concrete structure.

**REPAIR** - select the correct materials for the repair, corrosion-control and protection of the concrete structure.

**MAINTENANCE** - consider how, what and when future maintenance is required, and how it should be done.



# SURVEY OFFERING

Sika can interpret concrete condition surveys, or work alongside you to process the results. This will give an understanding of the condition of the concrete, and the cause of any concrete defects, enabling Sika to offer the best remedial solution.

**SITE SURVEYS CAN TAKE PLACE WITH A SIKA REPRESENTATIVE TO PROVIDE A DETAILED MATERIAL SPECIFICATION**



# SOLUTIONS

**REPLACE DEFECTIVE CONCRETE USING THE Sika® MonoTop® CONCRETE REPAIR RANGE**

## STEEL REINFORCEMENT TREATMENT

Sika® Monotop®-610  
Sika® Armatec 110 EpoCem  
Sika® Galvashield® Compact

## REPAIR MORTARS

Sika® MonoTop®-615  
Sika® MonoTop®-612  
Sika® MonoTop®-614F  
Sika® Rapid Repair Mortar



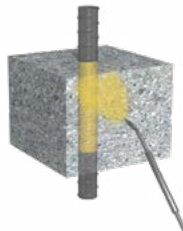
## SMOOTHING COAT

Sika® MonoTop®-620

**TREAT ANY CORROSION ON THE REINFORCEMENT, AND DELAY THE ONSET OF FURTHER CORROSION USING THE SIKA® TOTAL CORROSION MANAGEMENT SYSTEMS**

## MULTI-FUNCTIONAL INHIBITORS

Sika® Ferrogard®-903 (Liquid)  
Sika® Margel VPI 580 (Vapour)



## GALVANIC ANODES

Sika® Galvashield® XP range  
Sika® Galvashield® CC range  
Sika® Galvashield® Fusion range



## DISCRETE ANODES

Sika® Ebonex





**FURTHER PROTECT AGAINST CARBONATION AND CHLORIDES USING THE Sikagard® COATINGS RANGE**

**SMOOTHING COATS**

Sikagard®-545 Elastofil  
Sika® MonoTop®-620

**ANTI-CARBONATION PRODUCTS**

Sikagard®-55W Elastic  
Sikagard®-675 ElastoColor

**HYDROPHOBIC IMPREGNATION**

Sikagard®-706W Thixo

**ANTI-GRAFFITI PRODUCT**

Sikagard®-850 AG



**STRENGTHEN THE CONCRETE USING THE Sika®Carbodur® PLATES AND SikaWrap® FABRICS RANGES**

**Sika® Carbodur® PLATES**



**SikaWrap® FABRICS**



## WHAT YOU CAN EXPECT FROM SIKA

- Project discussion
- Project specification
- Recommended contractors
- On-site support
- Guarantees up to 20 years

## OTHER REFURBISHMENT SOLUTIONS FROM SIKA



BRICK PROTECTION



BALCONY COATING



LIQUID ROOFING



WATERPROOFING



CAR PARKS

# CASE STUDIES

## HEATHGATE

### Products:

Sika® MonoTop®, Sika® Margel VPI 580, Sikagard® coatings

### Solution:

A total corrosion management concrete repair specification provided the protective solution a residential building's deteriorating exterior, to ensure the long-term comfort and safety of its occupants.



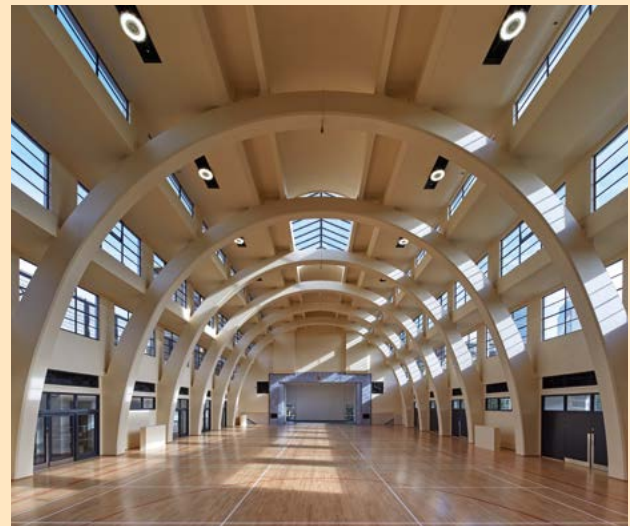
## POPLAR BATHS

### Products:

Sika® MonoTop®, Sika® Galvashield, Sikagard® coatings

### Solution:

A Grade II-listed Victorian building, once home to public baths for London's poor, was transformed into a state-of-the-art leisure centre, with Sika's anti-corrosive concrete repair system, to ensure the safe and long-term conservation of the historic structure.



## MIXENDEN COURT

### Products:

Sika® Monotop®, Sikagard® coatings

### Solution:

With the requirement for a cost effective, reliable and efficient way to repair damaged concrete surfaces, and extend the life of four towers blocks in Halifax, an advanced concrete repair system was specified.



# SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:



WATERPROOFING



CONCRETE



REFURBISHMENT



MERCHANT



SEALING AND BONDING



FLOORING



ROOFING



INDUSTRY

## FOR MORE INFORMATION:



### WHO WE ARE

Sika Limited and Sika Ireland Limited are part of the global Sika Group, specialising in the manufacture and supply of chemical based products. Sika have a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing, and protecting in the building sector and the motor vehicle industry. Sika has subsidiaries in 97 countries around the world and manufactures in over 190 factories. With over 17,000 employees Sika generates annual sales of CHF 5.75 billion (£4.69bn). We are also committed to providing quality, service, safety and environmental care.

In the UK and Ireland, we provide market-leading solutions for concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, Leeds and Dublin with more than 700 employees and a turnover of more than £220 million.

The information, and, in particular, the recommendations relating to the application and end use of Sika® products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. Please refer to our homepage [www.sika.co.uk](http://www.sika.co.uk) for our current standard terms & conditions applicable to all orders. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



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