REFURBISHMENT
REHABILITATION OF BRIDGES
AN OVERVIEW FOR SPECIFIERS
REHABILITATION OF BRIDGES

“Added Value” for specifiers

SIKA’S ADVANTAGES
- Long-time experiences in bridge maintenance
- Proven products and systems
- Innovative solutions and technologies
- System compatibility

SIKA’S FULL RANGE OF SOLUTIONS TO BSEN1504

SIKA’S MAIN SOLUTIONS FOR DIFFERENT TYPES OF APPLICATIONS

REFURBISHMENT
Rehabilitation of Bridges - Overview for Specifiers

CASE STUDIES

M3 Hawley Bridge
One of Burn’s main carriageways remained open when major masonry bridge waterproofing work was carried out. Failure of the waterproofing decking system led to the requirement for a waterproofing solution to prevent pollutants entering the river below. Sika was able to offer a solution that not only achieved this but did it without any disruption. From the underside of the bridge all work was carried out leaving the road fully in tact and unaffected. Product used: Sika® Injection 304.

North Hull Bridge
With 21,000 daily vehicle crossings as well as opening several times a day for waterway traffic, the Grade II listed North Bridge in Hull was in need of refurbishment due to corrosion of the reinforcement taking place and spalling concretes. The main type of attack on the control building came in the form of carbonation of the concrete. Products used: Sika concrete protection systems, Sika® FerroGard® corrosion inhibitor, Sikagard® protective coatings, Sika® MonoTop® repair mortar and Sika®-Armortex® Armconcrete micro-concrete repair system.

Brandelsholme Bridge
One of Burn’s main carriageways remained open when major masonry bridge waterproofing work was carried out. Failure of the waterproofing system. To deliver exceptional reinforcing capability across the entire application area and achieve compressive strength (fck) 2,800 N/mm² and E-modulus (E) 165 KN/mm². Product used: Sika® Injection 304. Product used:

Sika®-Armorex® Armorcrete MonoTop® repair mortar and protective coatings, Sika® FerroGard® concrete protection with hydrophobic impregnation.

Mountblow Bridge
As a key part of Clydebank’s road infrastructure this project was considerably undertaken so it could remain open for the duration of the works. The repair products used: Sikadur® system, concrete protection with Sika® FermoGard® corrosion inhibitor and Sikagard® hydrophobic impregnation.
SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:

WATERPROOFING  CONCRETE  REFURBISHMENT  DISTRIBUTION

SEALING AND BONDING  FLOORING  ROOFING  INDUSTRY

FOR MORE INFORMATION:

WHO WE ARE
Sika Limited is part of the global Sika Group, specialising in the manufacture and supply of chemical based products for construction and industry. Sika is a world-leader in its field with subsidiaries in more than 80 countries, 15,200 employees, and annual sales of CHF 4.8 billion (£3.3bn). We are also committed to providing quality, service, safety and environmental care.

In the UK, we provide market-leading solutions for concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, and Leeds with 700 employees and a turnover of £190 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. All orders are accepted subject to our current terms of sale and delivery. 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.