Sika’s Competence in Rehabilitation of Concrete Bridges
An Overview for Specifiers
Sika's Competence in Rehabilitation of Bridges and “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

Concrete Technology
- Early high strength concrete
- Water reducing admixtures
- Set-controlling admixtures
- Durability enhancing admixtures
- Concrete essentials

Structural Strengthening
- Residual strengthening systems
- Shear strengthening systems
- Axial strengthening systems
- Earthquake solutions

Concrete Repairs
- Corrosion protection primers
- Bonding primers
- Concrete repair mortars
- Smoothing and leveling mortars
- Structural sprayed concrete

Waterproofing Solutions
- Joint waterproofing
- Structural, flexible and ductile injections
- Epoxy overlays
- Liquid applied membranes
- Adhesion promoter asphalt to waterproofing layer

Steel Protection
- Corrosion protection systems for construction steels
- Steel cable protection systems
- Maintenance solutions for existing coatings

Grouting and Fixing
- Grouting solutions
- Fixing mortars
- Rail fixing solutions

Sika’s Main Solutions for Different Types of Applications

Apollo Bridge, Bratislava, (SL)  | North Hull Bridge (UK)  | Itchen Bridge, Southampton (UK)  | Toulry Bridge, (FR)  | Ernest Oppenheimer Bridge (ZA)  | The Galicijska Bridge, Krakow (PL)  | Körscchal Bridge (GER)  | Highway Bridge A1, Bern (CH)

Increasing of Durability: Waterproofing of bridge deck using Sika® Elastomastic TF system, long-term concrete protection with Sikagard® protective coatings.


Protection of fair faced concrete: Concrete repair with Sika® MonoTop® system, concrete protection with Sika® FerroGard® corrosion inhibitor and Sikagard® hydrophobic impregnation.

Structural maintenance: Structural Strengthening during traffic load with Sika® CarboDur® systems, surface protection with Sika® Carbodur® protective coatings.

Increasing of durability: Repair & protection with Sika® MonoTop® repair mortars, Sika® FerroGard® corrosion inhibitor and Sikagard® protective coatings.

Long-lasting protection: Concrete protection with Sikagard® elastic and rigid protective coatings.

Complete bridge maintenance: Full deck refurbishment of the bridge with Sika® MonoTop® repair mortars, deck waterproofing using Sika® Decking system.

Increasing of life cycle: Concrete repairs with Sika® MonoTop® system, concrete protection with Sikagard® hydrophobic impregnations.

For more reference projects, please go to: www.sika.com
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.

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