



Sika's Competence in Rehabilitation of Concrete Bridges

An Overview for Specifiers

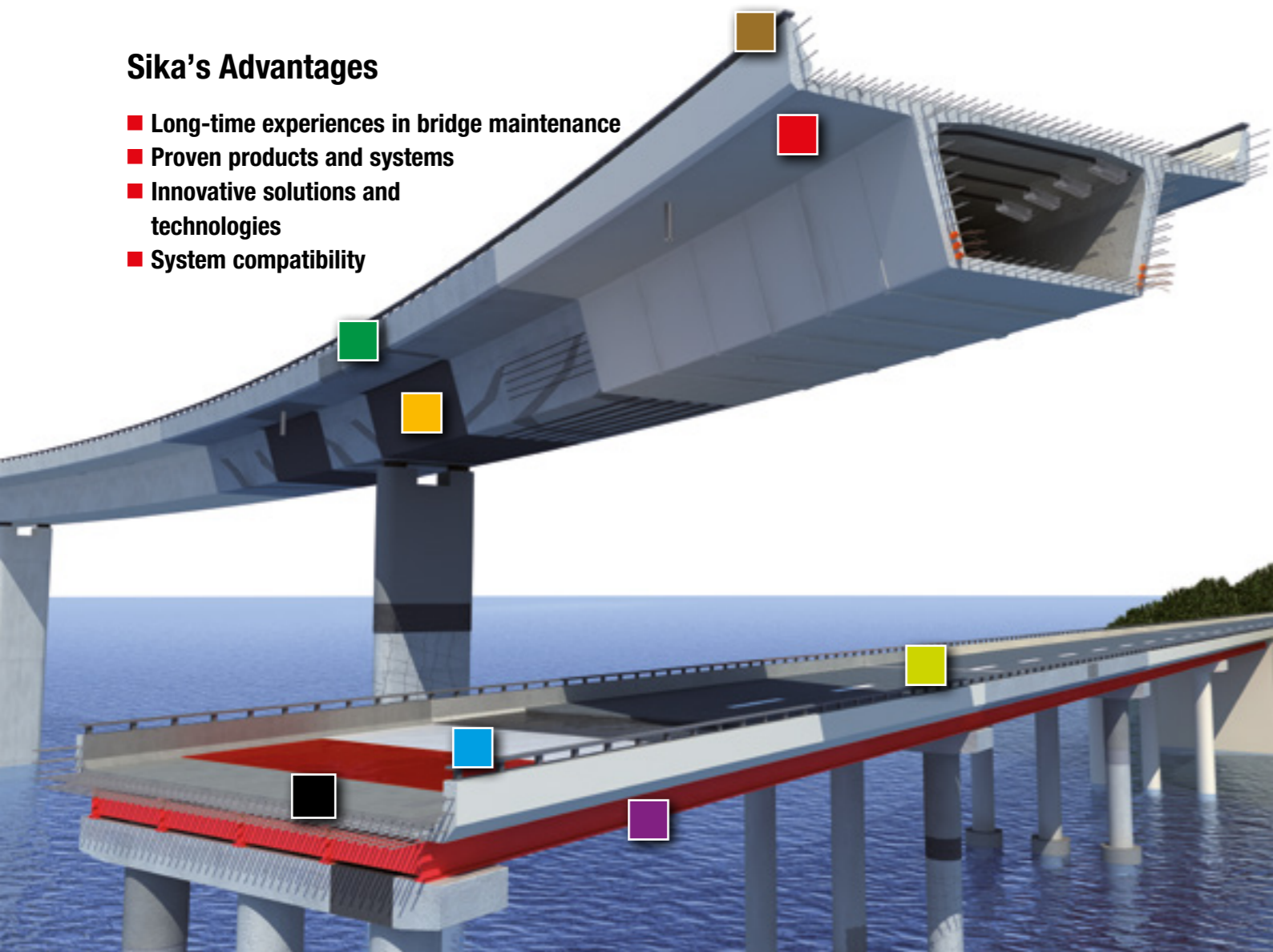


Innovation & since
Consistency | 1910

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



Sika® ViscoCrete®
SikaRapid®
Sika® Control®

Structural Strengthening

- Flexural strengthening systems
- Shear strengthening systems
- Axial strengthening systems
- Earthquake solutions



Sika® Carbodur®
SikaWrap®
Sika® CarboStress®

Concrete Repairs

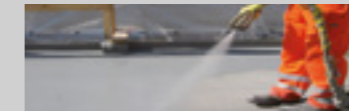
- Corrosion protection primers
- Bonding primers
- Concrete repair mortars
- Smoothing and levelling mortars
- Structural sprayed concrete



Sika® MonoTop®
SikaTop®
SikaCem® 133 Gunit

Waterproofing Solutions

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



Sikalastic®
Sika® Dilatec®
Sika® Injection
SikaProof® A

Concrete Protection

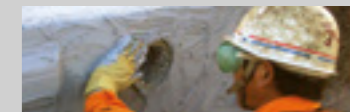
- Hydrophobic impregnations
- Impregnations
- Rigid and flexible coatings
- Corrosion inhibitors
- Galvanic cathodic protection systems



SikaGard®
Sika® FerroGard®
Sika® Galvashield®

Structural Bonding

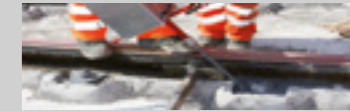
- Epoxy adhesives for concrete and steel
- Anchoring solutions



Sikadur®
Sika® AnchorFix®

Grouting and Fixing

- Grouting solutions
- Fixing mortars
- Rail fixing solutions



SikaGrout®
Sika® FastFix®
Sikadur®

Steel Protection

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



SikaCor®
Sika® Elastomastic®
Sika® Poxicolor®
Sika® Unitherm®

Sika's Main Solutions for Different Types of Applications

Apollo Bridge, Bratislava, (SL)



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

North Hull Bridge (UK)



Refurbishment: Listed bridge:
Sika concrete protection systems **Sika® FerroGard®** corrosion inhibitor, **Sikagard®** protective coatings, **MonoTop®** repair mortar and **Sika® Armorcrete®** micro-concrete repair system.

Itchen Bridge, Southampton (UK)



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

Toutry Bridge, (FR)



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

Ernest Oppenheimer Bridge (ZA)



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

The Galicyjska Bridge, Krakow (PO)



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

Körschtal Bridge (GER)



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

Highway Bridge A1, Bern (CH)



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



Sika's "Added Value"

Project Acquisition

- Long-time experiences
- World-wide references

Project Reviewing and Outline Design

- Specific testings
- Product approvals

Maintenance / Additional Business

- Support in definition of Maintenance concept
- Technologies and solutions for unforeseen problems

Detailed Design

- Cost effective design solutions
- Specification support for tender documents

On-Site Construction

- Technical support in site inspection, application training and trouble shooting

Contractor Tendering

- Total cost reduction due to innovative solutions/systems

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.

Sika Limited

Head Office
Watchmead
Welwyn Garden City
Hertfordshire
AL7 1BQ

Tel: 01707 394444
Fax: 01707 329129
Email: sales@uk.sika.co.uk
www.sika.co.uk



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