



Sika's Competence in Rehabilitation of Concrete Bridges

An Overview for Specifiers

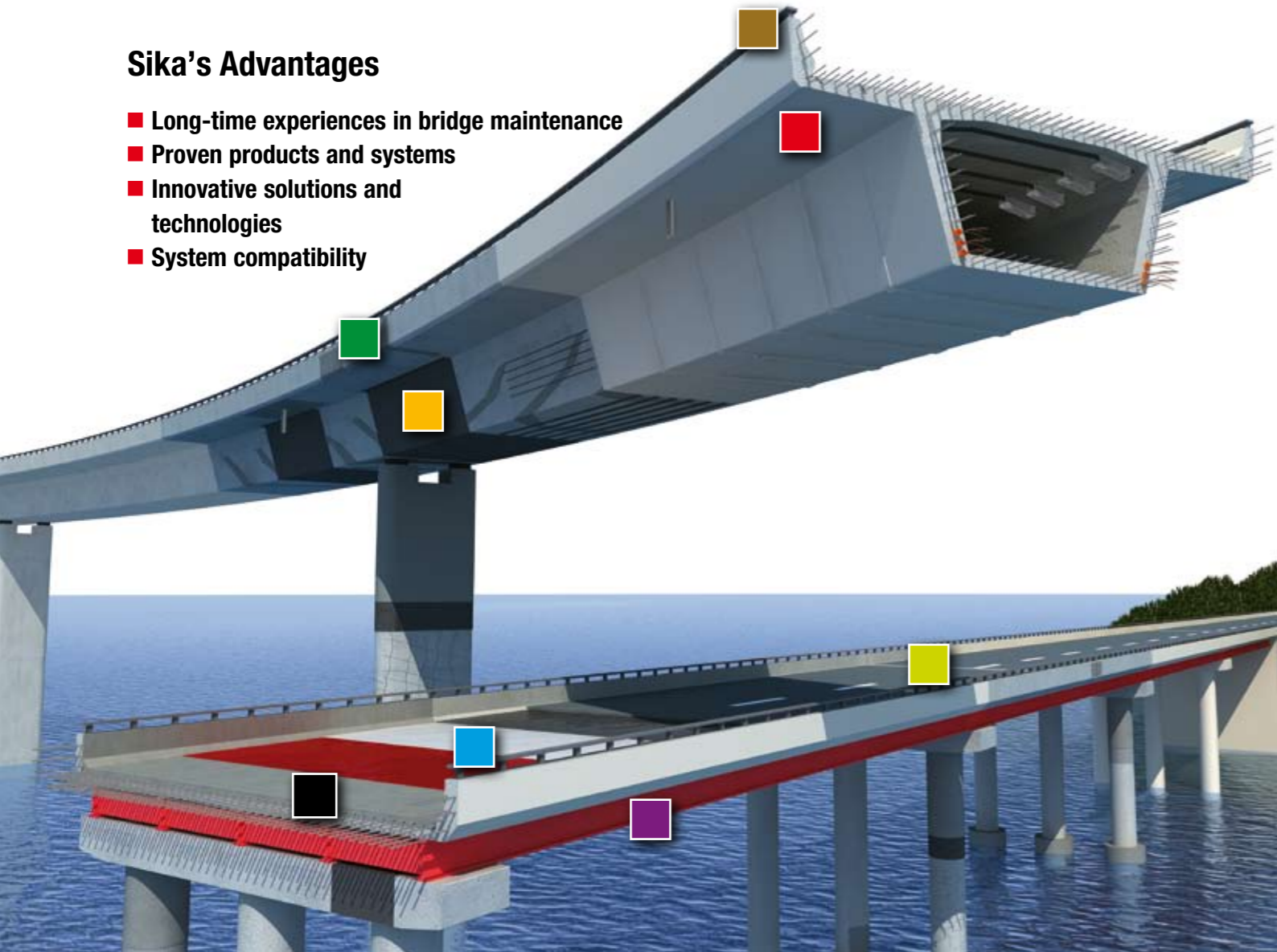


Innovation & since
Consistency 1910

Sika's Competence in Rehabilitation on Bridges and "Added Value" for Specifiers

Sika's Advantages

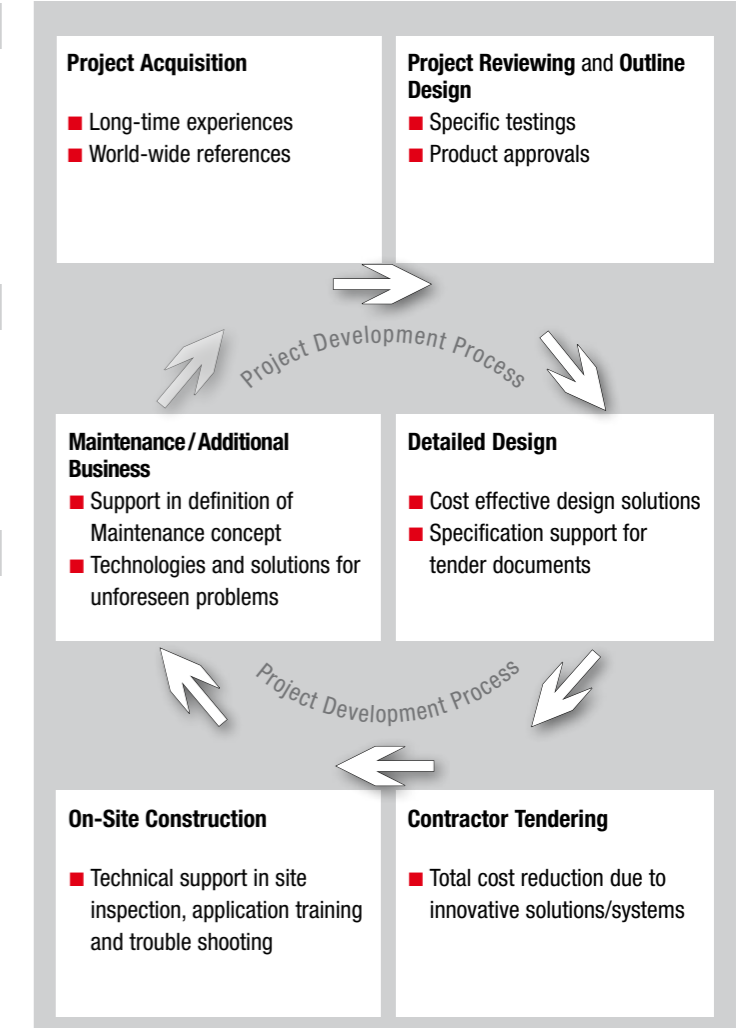
- Long-time experiences in bridge maintenance
- Proven products and systems
- Innovative solutions and technologies
- System compatibility



Sika's Full Range Solutions

- | | |
|--|---|
| <p>Concrete Technology</p> <ul style="list-style-type: none"> ■ Early high strength concrete ■ Water reducing admixtures ■ Set-controlling admixtures ■ Durability enhancing admixtures ■ Concrete essentials | <p>Concrete Protection</p> <ul style="list-style-type: none"> ■ Hydrophobic impregnations ■ Impregnations ■ Rigid and flexible coatings ■ Corrosion inhibitors ■ Galvanic cathodic protection systems |
| <p>Structural Strengthening</p> <ul style="list-style-type: none"> ■ Flexural strengthening systems ■ Shear strengthening systems ■ Axial strengthening systems ■ Earthquake solutions | <p>Structural Bonding</p> <ul style="list-style-type: none"> ■ Epoxy adhesives for concrete and steel ■ Anchoring solutions |
| <p>Concrete Repairs</p> <ul style="list-style-type: none"> ■ Corrosion protection primers ■ Bonding primers ■ Concrete repair mortars ■ Smoothing and levelling mortars | <p>Grouting and Fixing</p> <ul style="list-style-type: none"> ■ Grouting solutions ■ Fixing mortars ■ Rail fixing solutions |
| <p>Waterproofing Solutions</p> <ul style="list-style-type: none"> ■ Joint waterproofing ■ Structural, flexible and ductile injections ■ Epoxy overlays ■ Liquid applied membranes ■ Adhesion promoter asphalt to waterproofing layer | <p>Steel Protection</p> <ul style="list-style-type: none"> ■ Corrosion protection systems for construction steels ■ Steel cable protection systems ■ Maintenance solutions for existing coatings |

Sika's "Added Value"



Sika's Main Brands 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.

Two Bridges in Bogotá (CO)



Increasing of load capacity:
Sika concrete protection systems **Sika® FerroGard®** corrosion inhibitor and **Sika® Color®** protective coatings.

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® Ergobit®** system.

Highway Bridge A1, Bern (CH)



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



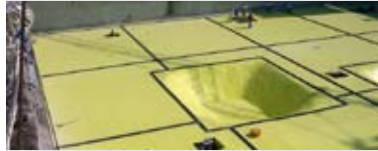
Sika Full Range Solutions for Construction

Concrete Production



Sika® ViscoCrete®
Sika® Retarder®
Sika® SikaAer®

Waterproofing



Sikaplan®, Sikalastic®
Sika® & Tricosal® Waterstops
Sika® Injection Systems

Flooring



Sikafloor®
SikaBond®

Corrosion and Fire Protection



SikaCor®
Sika® Unitherm®

Concrete Repair and Protection



Sika® MonoTop®
Sikagard®
Sikadur®

Structural Strengthening



Sika® CarboDur®
SikaWrap®
Sikadur®

Joint Sealing



Sikaflex®
Sikasil®

Grouting



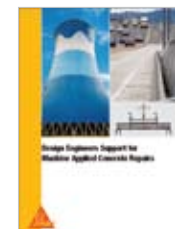
Sikadur®
SikaGrout®

Roofing



Sarnafil®
Sikaplan®
SikaRoof® MTC®

Also Available from Sika



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