

CONCRETE REFURBISHMENT

IMPROVED SIKA MONOTOP[®]

SYSTEMS

BUILDING TRUST



TECHNOLOGICALLY ADVANCED SIKA MONOTOP® SYSTEMS

Sika has been providing long term solutions for the repair and refurbishment of concrete structures for many decades worldwide. To reflect advancements in our technologies and our growing market knowledge we have further developed our range for concrete repair.

Engineers, asset owners and contractors now have a range from Sika that can deliver superior performance, workability and durability.

REINFORCEMENT CORROSION PROTECTION & BONDING AGENTS

PRODUCT	DESCRIPTION	APPLICATION THICKNESS
SikaTop® 110 EpoCem®	Cement based, epoxy modified, three component material. Effective chloride penetration barrier, also provides corrosion protection for steel reinforcement. Excellent bonding coat with extended open times for repair mortars.	1mm per coat approx.
Sika® MonoTop®-910	Cementitious, one component material bonding agent for repair mortars; it also provides corrosion protection for steel reinforcement.	1.0-2.0mm



STRUCTURAL REPAIR HAND OR WET SPRAY APPLIED (EN 1504-3 & 4)

Sika® MonoTop®-352NFG	Normal setting, one component, polymer modified fibre reinforced, low shrinkage lightweight structural repair mortar with corrosion inhibitor meeting the requirements of class of R3. Compatible for repairs of concrete 30-45MPa.	4-75mm Vertical and overhead applications
Sika® MonoTop®-412 NFG	Normal setting, one component, polymer modified fibre reinforced, low shrinkage, high strength structural repair mortar with corrosion inhibitor meeting the requirements of class of R4. Compatible for repairs of concrete 40-60MPa. Trafficable repairs.	6-50mm, Vertical, horizontal and overhead applications
Sika® MonoTop®-612 N	Normal setting, one component, polymer modified fibre reinforced, low shrinkage, ultra high structural repair mortar with corrosion inhibitor meeting the requirements of class of R4. Compatible for repairs of concrete 55-80MPa. Trafficable repairs.	6-45mm, Vertical, horizontal and overhead applications



STRUCTURAL POURABLE REPAIR (EN 1504-3 & 4)

Sika® MonoTop®-436N	Normal setting, one component, polymer modified low shrinkage, high strength. Pourable structural repair mortar with of R4. Compatible for repairs of concrete 40-60MPa.	30-300mm
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- HIGH BUILD MORTARS
- IMPROVED FINISHING
- IMPROVED ADHESION

- IMPROVED DURABILITY AND PERFORMANCE

The repair and protection of reinforced concrete with Sika meets the stringent requirements of the **European Repair Standards EN 1504**

STRUCTURAL REPAIR DRY SPRAY (EN 1504-3 & 4)

SikaCem® Gunite 133	One component, cementitious, polymer modified repair mortar, containing silica fume. Very high build, large volume repair mortar providing dense repairs with excellent bond that can be trowel finished to the highest standards. Suitable for use with Cathodic Protection systems.	12mm-150mm
SikaCem® Gunite 103	One component, cementitious repair mortar, containing silica fume. High build, large volume repair mortar with good workability providing dense, well bonded repairs which can easily be float finished. Overlayment for Impressed current Repairs	12mm-150mm
SikaCem Gunite GP	General purpose, economical one component, cementitious, polymer modified repair mortar, containing silica fume.	12mm-150mm



SURFACE FINISHING MORTARS/ COSMETIC REPAIRS (EN 1504-3 & 4)

Sika® MonoTop® -723 N	Polymer modified, ready to mix levelling and finishing mortar meeting the requirements of R3.	1mm-5mm
Sikagard® -720 EpoCem	Three part epoxy modified cementitious, thixotropic, fine textured mortar for levelling and finishing of concrete, mortar and stone surfaces meeting the requirements of R4.	Approx. 2.5 to 3.5 kg/m² for 1.0 to 1.5 mm.
Sika® Monotop® FC	Single component polymer modified cementitious fairing coat form filling of blow holes and other cosmetic concrete repairs.	0-3mm



PROTECTIVE COATINGS AGAINST INGRESS (EN 1504-9 PRINCIPLE 1)

Sikagard®- 706Thixo	80% hydrophobic water based Creme impregnation is defined as the treatment of concrete to produce a water-repellent surface.	300-400g m²
Sikagard®- 705L	99% hydrophobic impregnation is defined as the treatment of concrete to produce a water-repellent surface.	300-400g m²
Sikagard®- 700S	Silane and siloxane based hydrophobic impregnations to repel water on concrete and other mineral building facades.	0.25 - 0.50 kg/m² approx.
Sikagard®- 703W	Water based Silane and siloxane based hydrophobic impregnations to repel water on concrete and other mineral building facades.	0.25 - 0.35 kg/m² approx
Sikagard®- 550W	Elastic, crack bridging, waterproof protective anti-carbonation coating for concrete. Excellent carbonation barrier.	0.25 - 0.35 kg/m² approx
Sikagard®- 680S	Acrylic resin, solvent based, anti-carbonation Surface coatings are defined as materials designed to provide an improved concrete surface, for increased resistance or performance against specific external influences.	0.17 litres/ m² per coat approx.



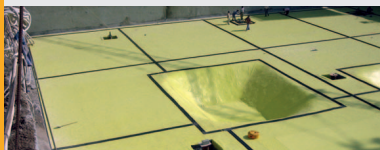
SIKA'S FULL RANGE OF CONSTRUCTION SOLUTIONS

Concrete Production



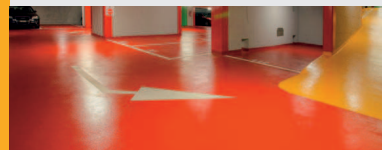
Sika® ViscoCrete®
Sika® Retarder®
Sika® SikaAer®

Waterproofing



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

Flooring



Sikafloor®
SikaBond®

Coatings, Silanes & Siloxanes



Sikagard®
Ferrogard®

Concrete Repair and Protection



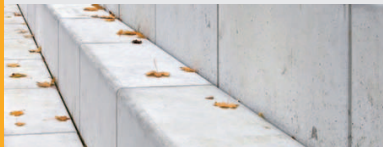
Sika® MonoTop®
Sikagard®
Sikadur®

Structural Strengthening



Sika® CarboDur®
SikaWrap®
Sikadur®

Joint Sealing



Sikaflex®
Sikasil®

Grouting

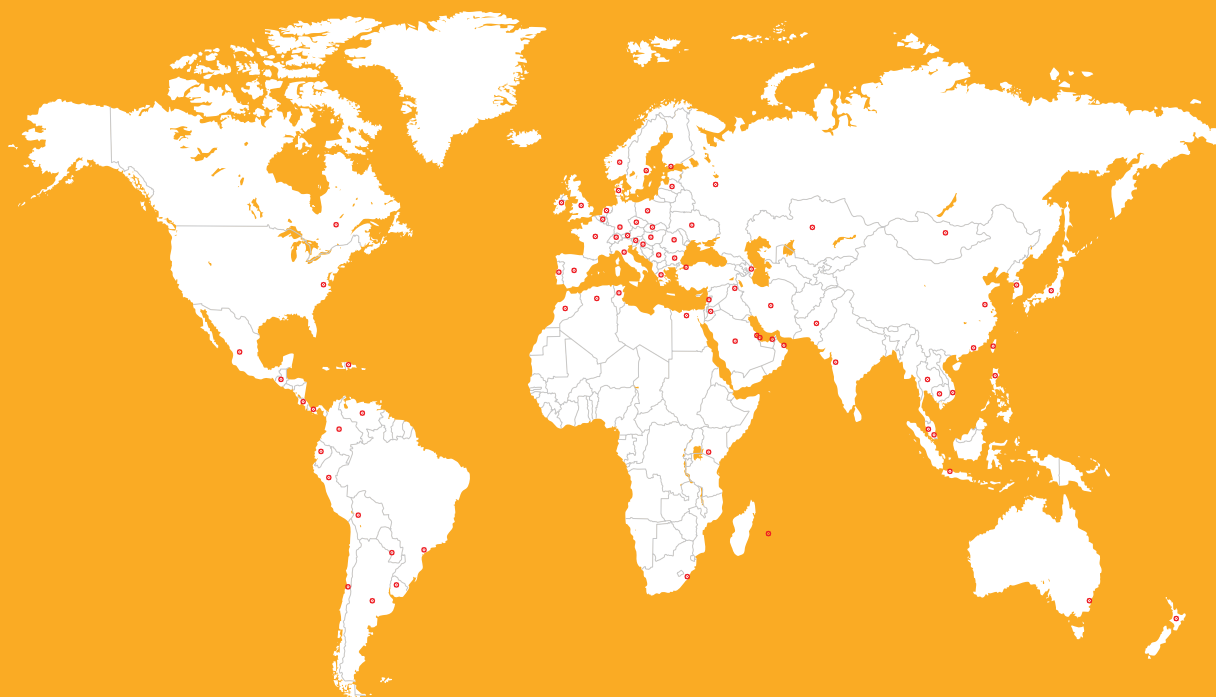


Sikadur®
SikaGrout®

Roofing



Sarnafil®
Sikaplan®
SikaRoof® MTC®



Our most current general sales conditions shall apply.
Please refer to the relevant data sheet prior to any use or processing of Sika products.

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