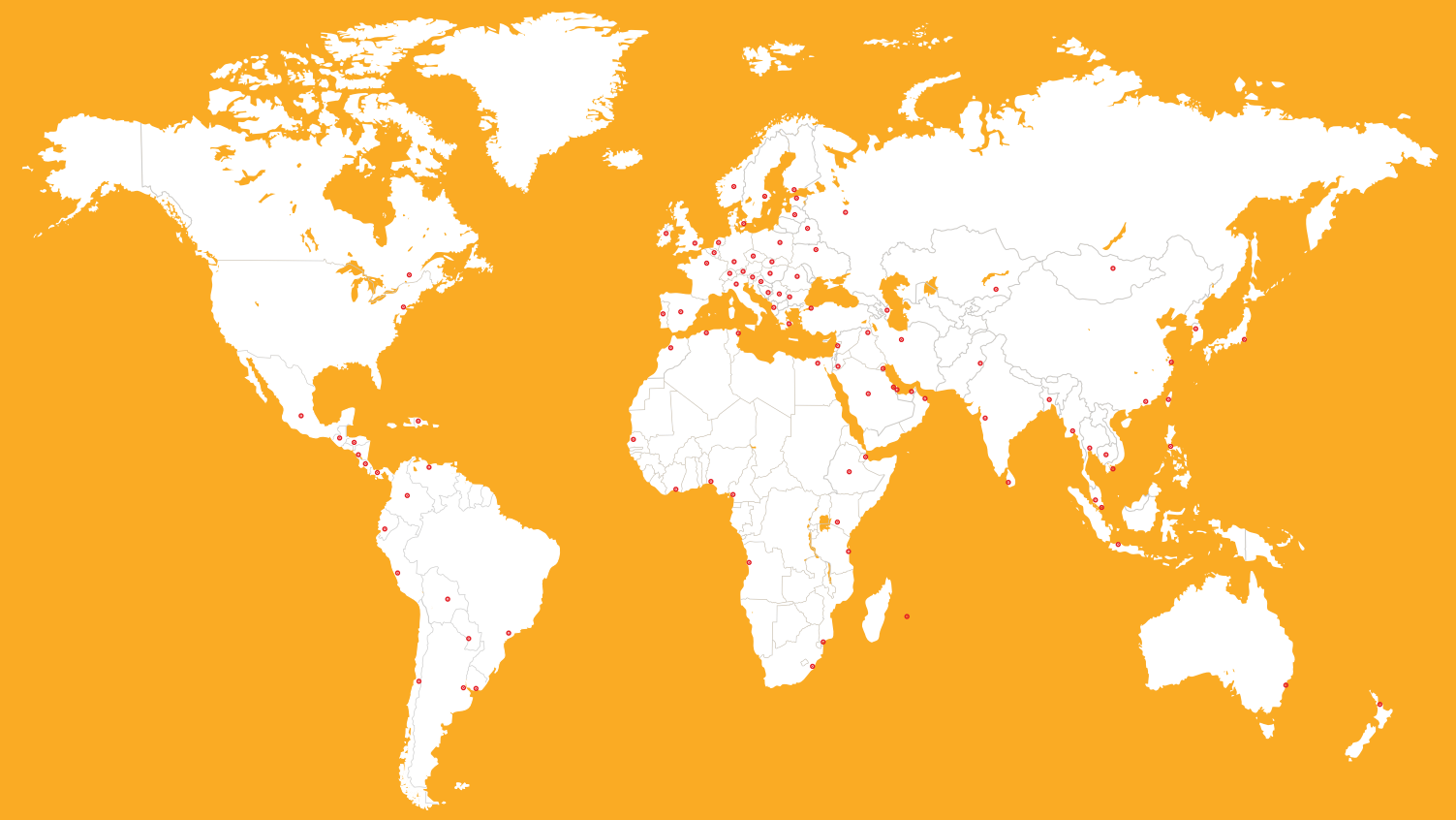


In the power and industrial markets, Sika Corporation is a leading supplier of advanced solutions. Whether the need is support and alignment of pumps and turbines, repair of concrete or control and prevention of deterioration due to corrosion, Sika's industry respected people and products provide unique solutions. Because downtime is critical in shutdown applications, Sika Corporation has a full range of product solutions that enable fast return to service, without sacrificing performance.

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## GLOBAL BUT LOCAL PARTNERSHIP



### WE ARE SIKA

With more than 100 years of experience, Sika is a worldwide innovation and sustainability leader in the development and production of systems and products for commercial and residential construction, as well as the transportation, marine, automotive, and renewable energy manufacturing industries.

Sika has offices in 103 countries with over 400 manufacturing facilities and more than 33,000 employees worldwide. With annual sales of CHF 11.24 billion in 2023, our commitment to quality, innovation, and the environment as well as putting our customer's needs first, encompasses why Sika is the global leader in our industries.



Our most current General Sales Conditions shall apply. Please consult the Data Sheet prior to any use and processing.  
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## INDUSTRIAL SHUTDOWNS

**PRODUCT PORTFOLIO FOR TIME  
CRITICAL INDUSTRIAL APPLICATIONS**





# SHUTDOWN SOLUTIONS

FOR INDUSTRIAL APPLICATIONS

## SYMBOLS KEY

1 HR

2 HR

3 HR

6 HR

8 HR

12 HOURS

16 HOURS

24 HOURS

48 HOURS

M MORTAR DEPENDENT

A APPLICATION DEPENDENT

**NOTE: All listed service times are temperature and application dependent.** Please refer to the individual product data guides online at [usa.sika.com](http://usa.sika.com) or contact your local Sika representative to discuss your project requirements.

## GROUTS

8 HOURS

### SIKAGROUT 4316

A unique grout that provides high early and ultimate compressive strengths over a wide variety of application and service temperatures. The superior performance of SikaGrout 4316 lies in its novel hydraulic cement binder with applied nanotechnology and premium mineral aggregates which, when mixed with water, produces a flowable and pumpable grout that can be installed in temperatures ranging from 35 to 100° F (2 to 38° C).

24 HOURS

### SIKAGROUT 885

This high precision grout with an extended working time is ideally suited for grouting machines and column supports. In harsh manufacturing environments, its high strength, density and malleable metallic aggregate provide superior dynamic load resistance. It tolerates wet environments, is sulfate-resistant and can be used in marine, wastewater, and sulfate-containing soil environments.

### SIKAGROUT 928

With extended working time, this grout ensures sufficient time for placement. It can be placed from fluid to damp pack over a temperature range of 45° F to 90° F (7° to 32° C). It is ANSI/NSF approved for use with potable water, is suitable for exterior applications, and provides optimum strength and workability.

### SIKAGROUT 713

Ready to use and mix to a variety of consistencies, this high precision non-shrink mineral aggregate grout is easily pumped into intricate and inaccessible areas. SikaGrout 713 provides maximum effective bearing area for optimum load transfer and allows for early form stripping.

### SIKAGROUT 555

This general purpose grout can be mixed from a damp pack to flowable consistency to achieve a high degree of effective bearing area for proper support and load transfer. It cures to a concrete gray color and can be extended with clean, well-graded coarse aggregate.

16 HOURS

### SIKAFLOW 647

Specially formulated for grouting cracks in machinery foundations, this epoxy grout is applied using either pressure injection or gravity feed. The material will penetrate and fill voids, cracks and fissures. Sikaflo 647 exhibits excellent adhesion to either concrete or steel that is properly prepared whether wet, dry, or oil-contaminated and it can be used to repair cracks in concrete that contain water.

### SIKAFLOW 648

A three-component modified epoxy resin-based grout with variable fill rates. It combines high-temperature performance and crack resistance with excellent flow characteristics.

### SIKAFLOW 649

A high-performance epoxy grouting material for support of heavy equipment. It ensures the proper transmission of static and dynamic loads to the equipment foundation.

### SIKAFLOW 668

This chock grout is highly flowable and conforms to worn or irregular surfaces. It can be used to replace metal chocks and will not deform under sustained loads.

24 HOURS

### SIKAFLOW 678

With a long working time, this deep pour, multi-use epoxy grout can be used where deep sections of grout must be placed with low heat generation. SikaFlow 678 creates a positive bond to concrete and steel.

12 HOURS

### SIKAFLOW 690

SikaFlow 690 is an epoxy resin-based precision grout used for the industrial and petrochemical applications where very high strength or quickturn around is required. With carefully balanced physical properties and excellent resistance to chemical attack, elevated service temperatures, vibration and torque, SikaFlow 690 is formulated for easy installation, with good flow characteristics suitable for pouring or pumping, low dust generation and soap and water clean-up.

## CORROSION & PROTECTION

24 HOURS

### FERROGARD 903

Corrosion Inhibiting, Impregnation Coating for Hardened Concrete is a corrosion inhibiting impregnation coating for hardened concrete surfaces. FerroGard 903 is designed to penetrate the surface and then to diffuse in vapor or liquid form to the steel reinforcing bars embedded in the concrete. It forms a protective layer on the steel surface which inhibits corrosion caused by the presence of chlorides as well as by carbonation of concrete.

8 HOURS

### SIKA FERROGARD ANODES

Sika FerroGard is a zinc based discrete sacrificial anode placed inside a concrete repair area in reinforced concrete structures which are corroding as a result of chloride induced corrosion. Sika FerroGard anodes are placed along the perimeter of the repair area and fixed to the reinforcement prior to the application of a concrete repair system.

6 HR

### SIKA ARMATEC 110 EPOCHEM

A cementitious epoxy resin compensated 3-component, solvent-free, coating material with corrosion inhibitor, used as bonding primer and reinforcement corrosion protection.

2 HR

### SIKAGARD P 8100 AP

a one-component zinc-rich epoxy primer. It is designed to prime and protect reinforcing steel. Sikagard P 8100 AP combats corrosion through electro-chemical means by preventing anode transfer.

## CONCRETE REPAIR

1 HOUR

### SIKAEMACO SET45 REPAIR MORTAR

Setting in approximately 15 minutes, this concrete repair and anchoring material takes rubber tire traffic in 45 minutes. Its superior binding characteristics require no bonding agent and only air is required for cure. It will not freeze at temperatures above -20° F (-29° C) when appropriate precautions are taken.

### SIKAEMACO 1060/1060 EX

Designed for horizontal concrete surfaces, this gray colored, rapid-setting mortar is appropriate where very high early strength gain is required. It can be opened to vehicular traffic in one hour and epoxy coated in as little as 4 hours while helping prevent chloride intrusion.

### SIKAEMACO 6000

UV-resistant and rapid setting, this repair material allows fast return to service and can be used at temperatures ranging from 14° F to 104° F (-10 to 40° C). This material has excellent bonding characteristics to a variety of concrete surfaces.

24 HOURS

### SIKAEMACO 488 CI

Applied vertically or overhead by trowel or low pressure spray, this structural repair mortar is fiber reinforced. Its integral corrosion inhibitor and density makes it ideal for wet, corrosive environments. Mixing requires only the addition of water. NSF Certified for use in certain potable water applications.

### SIKAEMACO N 425

This non-sag repair mortar can be trowel applied in lifts up to 2" without forming. It offers excellent workability and superior finishing and can be readily sculpted, shaved and finished. Integral corrosion inhibitor prevents corrosion from a wide range of sources and environments. It mixes easily with only potable water.

### SIKAEMACO 466 CI

This flowable structural repair concrete provides high slump and good pumpability for formed applications. SikaEmaco 466 can be applied on horizontal and formed vertical or overhead concrete repairs. It provides high abrasion resistance and resists moisture and chloride intrusion.

### SIKACRETE 211 SCC PLUS

A one-component, self-consolidating concrete containing factory blended coarse aggregate. This self-consolidating concrete bag is silica fume and polymer modified and also contains a migrating corrosion inhibitor.

## STRENGTHENING

APPLICATION DEPENDENT

### SIKA CARBODUR AND SIKAWRAP SYSTEMS

Sika CarboDur plates and SikaWrap fabrics have been used successfully on thousands of projects worldwide. The most common uses have been for flexural strengthening, shear upgrades and column confinement. However, they have many other uses, including strengthening for cut-outs, blast hardening, fire and structural damage, and upgrading structures damaged by corrosion.

### SIKAFLOW 6000 UW

A system for concrete strengthening and structural repair of elements at or below a waterline, such as offshore oil and gas structures, dams, piers, pipelines and chemical processing facilities.

## PROTECTIVE COATINGS

A APPLICATION DEPENDENT

### SIKAGARD DUOCHEM 7500

A two-component, epoxy-novolac coating/topping/lining possessing outstanding resistance to strong inorganic acids, concentrated sulfuric acid and oxygenate solvents. The technology provides excellent protection of containment tanks, machine bases, plant floors, and walls exposed to aggressive chemicals.

### SIKAGARD 170 CR

A protective epoxy coating providing resistance to harsh chemicals, including 98% sulfuric acid, and can be used as a topcoat over epoxy and polyurethane coatings.

### SIKAGARD 62

A high build, corrosion-resistant, protective epoxy coating, as a protective lining for secondary containment structures or as a seamless flooring system.

## WATERPROOFING

APPLICATION DEPENDENT

### GREENSTREAK PVC WATERSTOP

Flexible PVC waterstop for joint waterproofing, suitable for water/ wastewater treatment plants, foundations, containment structures and tanks, and retaining walls.

### WESTEC WATERSTOPS

A wide range of waterstops used to keep water in or out of structures such as, water treatment plants, reservoirs, locks, dams, and below grade facilities. Several factors are considered when selecting a waterstop including, joint type and joint movement, hydrostatic pressure and chemical exposure.

### SIKA HYDROTITE

A hydrophilic waterstop with unmatched durability and watersealing capacity. Comprised of non-bentonite, modified chloroprene rubber, this product expands up to eight times its original volume when exposed to water. This expansion creates an effective compression seal within joints of limited movement.

### SIKA -1+

A liquid waterproofing admixture used for permeability reduction in concrete and cementitious mortars that can achieve extremely enhanced properties regarding its water permeability and water tightness when added to a concrete or mortar.

### SIKA WATERTIGHT CONCRETE POWDER

A combined water resisting and HRWR Superplasticizing admixture used to enhance the workability and reduce the water permeability of concrete.

### SIKA WT-215

A crystalline based Permeability Reducing Admixture (PRA) that reduces the ability of concrete to conduct water flow and has the ability to provide crack bridging up to 0.02 in (0.5)mm.

## CRACK REPAIR

16 HOURS

### SIKADUR 35 HI-MOD LV

A high modulus, low viscosity, high strength, multipurpose epoxy grouting/sealing/binder adhesive.

### SIKADUR 52

2-component, 100% solids, moisture-tolerant, epoxy adhesive. It is a low-viscosity, high-strength adhesive formulated specifically for grouting both dry and damp cracks.

24 HOURS

### SIKADUR CRACK REPAIR KIT

Sikadur Crack Repair Kit is a two multicomponent, low viscosity, fast curing, easy to use, epoxy sealing system for the repair of cracks that occur in solid concrete and solid masonry substrates

## ANCHORING

8 HOURS

### SIKA ANCHORFIX-3001

Specially formulated as a high performance, two component adhesive anchor system for threaded bars and reinforcing bars in both cracked and uncracked concrete.

### SIKA ANCHORFIX 2020

Is a proprietary, two-component, thixotropic, fast curing, anchoring adhesive for anchoring threaded rods and reinforcing bars in both uncracked and cracked concrete. For use in cold to moderate climate conditions.

### SIKA ANCHORFIX-1

High-performance, two component adhesive anchor system for threaded and reinforcing bars in uncracked concrete.

### SIKA ANCHORFIX-2

Super strength, two component, rapid set, adhesive anchor system for threaded bars in uncracked concrete.

