

Sika Solutions for Construction



Innovation & since
Consistency | 1910



Concrete and cement production



Waterproofing



Flooring, coating and wood floor bonding



Corrosion and fire protection



Joint sealing



Wood floor bonding solutions for the interior of
The Royal Danish Playhouse, Copenhagen, Denmark

Sika Solutions for Construction



Repair, protection and strengthening of concrete



Structural bonding and grouting



Steel and glass façade



Roofing

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Sika started in Zurich at the beginning of 20th century

A drawing of waterproofing by Kasper Winkler

Innovative high technology

Advanced production



Sika – Global Leader in Speciality Chemicals for Construction since 1910



On-site support



Reliable and efficient supply, from shelf to site



Strong market and technical support



Focus on sustainability

A Company with 100 Years of History

The history of Sika began in 1910 when the Gotthard rail tunnel running through the Swiss Alps was to be electrified and needed a secure waterproof system. It was Kaspar Winkler who developed and provided a completely new solution for chemically waterproofing cement mortars and concretes and since then the company and brand of Sika was founded. Today Sika is the global technology and market leader in speciality chemicals for construction and industry, providing complete systems and problem solutions. Sika personnel are active, and products in use, on all continents around the world with subsidiary companies established in more than 70 countries.

Innovation and Technology

Sika is a pioneer in technology innovations to meet the global challenges. Sika's Research & Development departments consist of coordinated central and regional facilities around the world.

Centrally, Sika Technology AG takes the main lead in long-term research programmes for the Sika Group. These innovative research programmes are aligned with the core competencies of Sika and focus on solutions for concrete production, waterproofing, roofing, flooring, sealing, bonding, grouting, reinforcing, structure repair and protection together with innovations in steel and glass facade bonding.

Development of these innovations, as a result of research programmes, is the responsibility of our eleven Regional Technology Centres located in the Americas, Europe and Asia. Products and systems are developed on regional level to meet the market needs and specific requirements.

Product development in a country is performed by local Sika company in their laboratories. The products are assessed and adapted to suit local conditions, regulations and production. This process facilitates the cost-optimisation for manufacturing and effective market pricing.

High Quality Construction Solutions

Sika provides intelligent solutions with most advanced technologies, thorough services, rich experiences and unique expertise. It has numerous successful reference projects all over the world, and is famous for its reliable and high quality construction solutions which meet the latest proven tests, standards and regulations.



Efficient Supply Chain

Sika's Operation Department manages our extended global supply chain. This includes procurement of the best available raw materials at competitive prices and production to the highest quality standards. Sika Operations develop innovative and intelligent packaging, secure product storage and reliable on-time supply to our local customers worldwide.

No. 1 Global Market Leader Focussed on Successful Partnerships

Sika, a full range supplier for construction solutions regards all of its customers as its business partners, including owners, architects and engineers, contractors and distributors. To help its customers be more successful, Sika aims to create added value to mutual benefit along the whole of the project value chain, from conceptual design possibilities, to ease of eventual maintenance.

Sika's sales and technical services teams are available for customer support throughout every phase of the construction process: from the initial consultation phase, through the project planning phase, the detailed design phase, application on job site and finishing with quality control, completion and final handover. Sika also offers tailor-made guarantee concepts and future maintenance plans to give extra reassurance. Sika is well positioned and has the necessary technical know-how and resources to offer these additional services to its customers.

Active Contribution to a Sustainable Environment

Sustainability and a better environment are always key focus of Sika's innovative technology research and development. Some typical examples are contributions to green roof developments and high standards in low VOC flooring and coating products. Furthermore, Sika adhesives for solar panel installations and wind power generators are contributing to help produce cleaner energy concrete admixtures aimed at reducing water consumption and CO² emissions to improve efficiency of concrete production. In addition, Sika is a member of different environmental organizations such as UNEP (United Nations Environment Programme) and SBCI (Sustainable Buildings and Construction Initiative). Sika constantly supports different world wide green projects, for example the international lake network "Living Lakes" organized by Global Nature Fund.



A Strong Sense of Social Responsibility

Sika actively follows and promotes the highest health and safety standards for our people and our customers. Sika has been involved in The Chemical Industry's Responsible Care® Programme since 1992 and also contributes locally to many social programmes. The Romuald Burkard Foundation was established in 2005 by our majority shareholding family, descendants of Kasper Winkler, to provide direct support to selected social and ecologically focussed projects in emerging countries.





Ready-mix concrete production



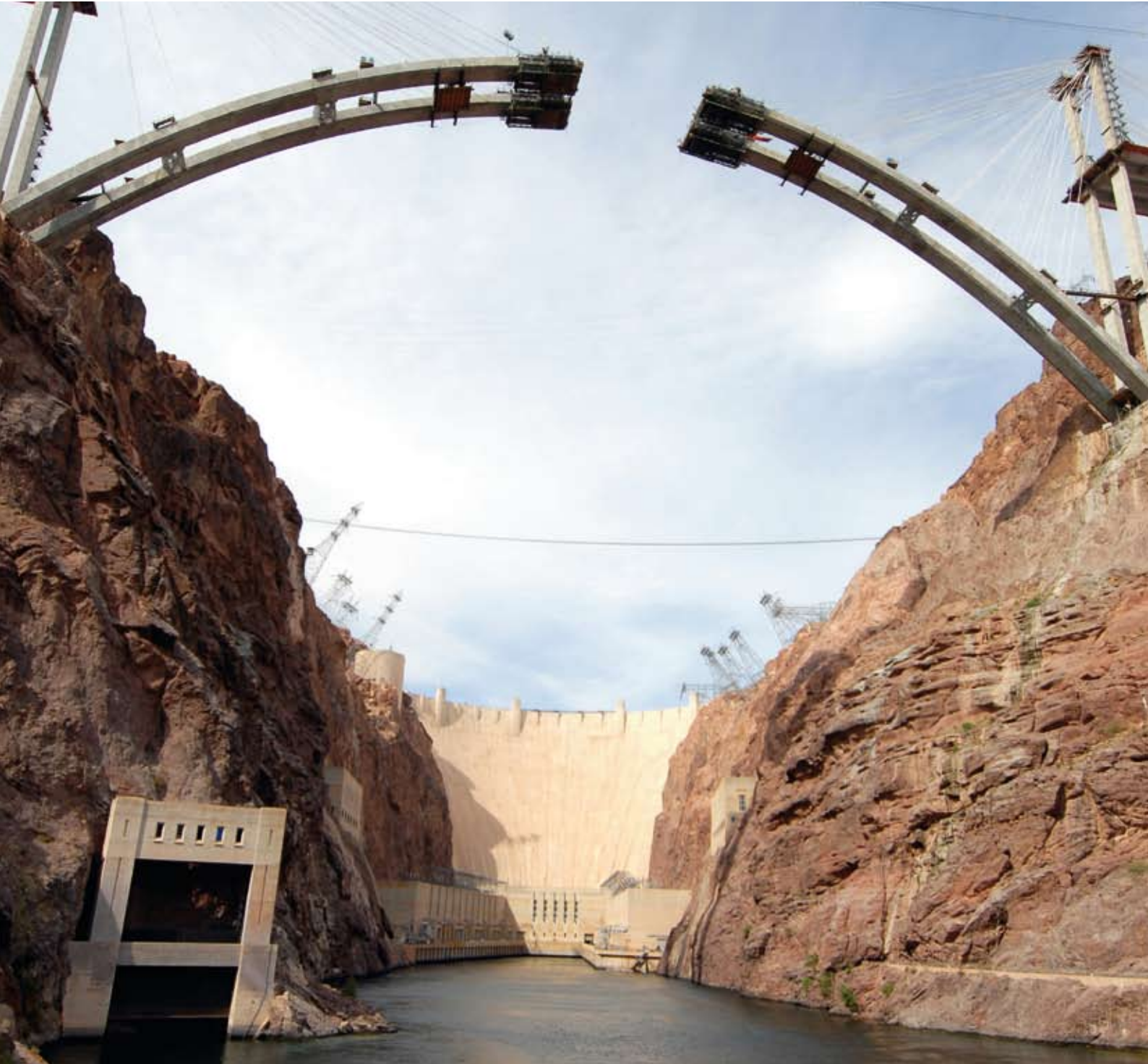
On site concrete production



Precast concrete industry



Semi-dry product production



Sika Solutions for Cement and Concrete Production



Cement production



Sprayed concrete applications



Special concrete applications



Concrete supporting products

Main Market Competence

Wherever a building or civil engineering structure is being constructed with concrete, Sika has a well proven track record. With innovative admixtures and additives to improve cement or concrete quality and workability, Sika has extensive product range for approved and cost effective solutions.

Sika is also a reliable supplier for the ready-mix industry, precast manufacturers and site batched concrete.

Technology and Quality

Since 1910, Sika has always been at the forefront of quality admixtures and cement additives for concrete and mortar products.

As a technology leader in cement and concrete solutions, Sika strives to meet latest market needs, ecological demands and new regulations.

Sika's latest successful development includes the **Sika® ViscoCrete®** technology which improves the performance of fresh and hardened concrete properties.

Unique Services and Support

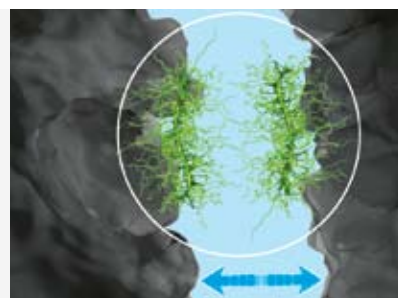
- Concrete mix design
- Laboratory and field testing support
- Dispensing and dosing systems

Selective Sika Solutions and Products

Typical Application	Sika Solutions	Special Performance
Water Reducing Admixtures	Sika® ViscoCrete®	Highly efficient superplasticizer based on polycarboxylates.
	Sikaplast®	High plasticising power, extended workability and efficiency.
	Sikament®	Conventional superplasticiser for a wide range of applications.
Set Controlling Admixtures	Sika® Retarder®	Strong retarding effects. Set retardation > 24 hrs possible dependent on the placing conditions and mix design.
	SikaTard®	Long time consistency stabilization for sprayed concrete by controlling the cement hydration.
	SikaRapid®	Significant early age strength increase during hardening or setting.
	Sigunit®	Shotcrete accelerator for sprayed applications requiring very fast set.
Durability Enhancing Admixtures	Sika® Control	Strong reductions in concrete shrinkage. Up to 40% is possible.
	Sika® FerroGard®	Admixtures allowing significant reduction of reinforcement corrosion.
	SikaAer®	Capability to control defined properties of air bubbles, to improve workability and frost resistance.
	SikaFume®	Containing silica fume. Significant improvement in strength and durability.
Additives for Grinding Process	SikaGrind®	Used to speed up cement production and reduce its energy consumption.
	Sika® ViscoCrete®	For strength development and optimising other properties.

Sika Speciality

The **Sika® ViscoCrete® Range** is a globally successful range of ultra-superplasticisers. It is used to improve fresh and hardened concrete properties with excellent cost performance advantages. Further development with polymers by Sika allows incredible results together with **Sika® ViscoCrete®** – it is even possible to produce concrete with never expected properties! **Sika® ViscoCrete®** is also used in powder form for production of dry cement based, bagged or silo supplied products.





Details of membrane waterproofing



Water-tight concrete



Waterbars



Bridge deck waterproofing



Sika Solutions for Waterproofing



Tunnel waterproofing



Waterproofing for drinking water facilities



Waterproofing for Nature ponds for swimming



Waterproofing for Swimming pools

Main Market Competence

Sika is committed to proven and economic water-tight solutions for even the most challenging requirements. Sika considers the entire waterproofing process to the very last detail. Typical waterproofing applications are below ground structures for buildings, tunnels and other civil engineering structures. Sika also provides special solutions for drinking water reservoirs and waste water treatment plants. Sika offers a unique range of complete systems and products based on extensive experiences and supports owners, engineers and contractors in the design and construction process.

Technology and Quality

Sika, the world's leading waterproofing company has been producing innovative and high quality waterproofing products since 1910. Sika's waterproofing technologies include: the integrated "White Box" concept which is a water-tight concrete combining joint waterproofing; Sika also provide high-quality flexible PVC and FPO membranes with unique compartment system; polyurea, polyurethane and epoxy coatings; complete injection systems; mortars, renderings and more. Many of the products fulfil the most stringent drinking water approvals.

Unique Services and Support

- Wide range of tailor-made guarantee concepts
- Analysis of leaks in existing structures
- Concepts, specifications and detailing
- Site specific solutions, e.g. form pieces
- Application training and on-site support
- Proven quality control systems

Selective Sika Solutions and Products

Typical Application	Sika Solutions	Special Performance
Watertight Concrete "White Box": Waterproofing Admixture for Concrete and Mortar	Sika® ViscoCrete®	Highly efficient superplasticizer based on polycarboxylates.
	Sika® 1	Capillary pore blocking admixture for waterproofing concrete and mortar which can also be used for waterproof rendering.
Waterproofing of Joints	Sika® & Tricosal® Waterbar	Waterstops for construction and expansion joints, based on elastomeric materials, PVC / TPO.
	SikaFuko®	Reinjectable injection hoses for construction joints and as waterproofing backup systems.
	SikaSwell®	Range of hydrophilic gaskets and sealants for construction joints and sealing around penetrations.
	Sikadur® Combiflex® and Sika® Dilatec®	Multi purpose waterproof joint sealing tape systems suitable for bonding to concrete, steel, stone, etc. – for joints cracks and terminations.
Sheet Waterproofing Membranes	Sikaplan® WP / WT Systems	Flexible synthetic PVC and TPO based waterproofing membranes. Mainly used for waterproofing of large scale basements, tunnels and water retaining structures including all necessary detailing accessories.
Injection Systems	Sika® InjectoCem	Cement and hybrid waterproofing injection materials.
	Sika® Injection series	Acrylic and polyurethane flexible injection foams and resins.
	Sikadur®	Epoxy resins for structural injection and bonding.
Liquid Applied Membranes	Sikalastic® 800 range	High performance polyurethane and polyurea based liquid applied waterproofing membranes.
Watertight Mortars	Sika®-101/102 HD	1-Component high density thin layer protective sealing mortar. With drinking water approvals.
	SikaTop® Seal-107/207	2-Component flexible waterproofing rendering. Hand or spray applied. With drinking water approvals.

Sika Speciality

The Complete Sika® "Guarantee Package" for Water-Tight Structures: For your "peace of mind" and a secure watertight structure you should build on Sika's 100 years waterproofing experience. Based on the unique waterproofing product portfolio Sika provides you with the optimized waterproofing solution for your project. In combination with our design expertise and on site application know-how a **Sika® system** guarantee becomes a real added value for you.





Acidic areas

Walls and ceilings

Electro static discharge areas

Car parks



Sika Solutions

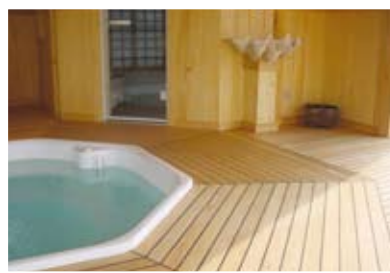
for Flooring, Coating and Wood Floor Bonding



Clean room environments



Commercial and public areas



Wood floor caulking systems



Wood floor bonding

Main Market Competence

Sika has a long time experience and a world leading position in providing flooring, coating and wood floor bonding solutions. Sika solutions meet the customer needs and fulfil a wide range of functions according to the application fields, e.g. industrial floors with mechanical and chemical resistance, clean room specifications, commercial / residential floors with aesthetic and low VOC emission requirements, elastic bonded wood floors for better acoustics, etc..

Technology and Quality

Sika flooring and coating solutions are based on many technologies including: Epoxy, PUR and PMMA resins; combinations of different binder technologies such as PU & Cement and EP & Cement for solutions covering all types of requirements for industrial and commercial applications. Sika's quality products are designed for the latest trends and requirements and comply with all regulations and standards, e.g. parking areas, AgBB, M1, etc.. Additionally, Sika is the world leader in VOC and ESD/ECF flooring technology. Sika also offers high performance elastic wood floor bonding solutions based on 1-component PU and AT technology, which fulfil the lowest emission requirements (EC-1) and allows design creativity.

Unique Services and Support

- Concepts, specifications and detailing
- Application training and on-site support
- Innovative, time saving application tools
- Tailor-made guarantee concepts

Selective Sika Solutions and Products

Typical Application	Sika Solutions	Special Performance
Warehousing, Retail Logistics, Sales	Sikafloor®-2530 W	Water dispersed epoxy based floor coating for smooth floors. Rapid drying and easily maintained – VOC free in application.
Production and Processing	Sikafloor®-20 N	Polyurethane and cement combination for high wear, chemical resistant and hygienic surfaces.
	Sikafloor®-PurCem®	Thermal shock resistant and steam cleanable.
	Sikafloor®-15 Pronto	Acrylic based, rapid curing, flexible and decorative solution for medium wear.
Cleanroom Environment	Sikafloor®-266 CR	Special epoxy with low VOC / AMC and particle emissions. High wear and chemical resistance.
EPA (ESD – Protected Area)	Sikafloor®-235 ESD	Epoxy based, anti-static / ESD floors with high wear and abrasion resistance. Easy to clean. Coloured and smooth surfaces.
Multi-Storey and Underground Car Parks	Sikafloor®-263 SL/264	Epoxy based, slip resistant wearing surfaces with highly abrasion and impact resistance.
	Sikafloor®-350N, 359 N	Polyurethane based, protective deck waterproofing and wearing surfaces with highly abrasion resistant and crack-bridging properties.
Commercial and Public Buildings	Sikafloor®-330/305 W	PU based, smooth, low VOC "Comfort Floors". Noise-absorbent, sound insulating and decorative. Meets latest indoor air quality standards.
Tank + Bund Linings including Potable Water	Sikagard®-63 N	Epoxy based, solvent free coating with high abrasion and chemical resistance.
	Sikafloor®-390	High wear, abrasion and chemical resistance.
Wall Coatings	Sikagard®-184 W CR	For surfaces with minimal VOC or particle emission.
	Sikagard®-676 W	Fungicidal, for surfaces with high humidity.
Acid Proof Coatings	Sika® Asplit® VE	Smooth flexible coating with excellent chemical resistance.
Wood Floor Bonding	SikaBond®	Elastic and durable bonding of all wood floors. Fast and economic application with Sika's patented dispensers.
	Sika® AcouBond®	Unique system combining excellent bonding with significant reduction of impact sound.

Sika Speciality

Sikafloor®-CR and Sikagard®-CR Cleanroom Suitable Solutions: Sika is the first company to develop a unique advanced flooring and coating solution for cleanroom environments to meet CSM standards (Cleanroom Suitable Materials). CSM restricts not only VOC / AMC emissions (Volatile Organic Compounds / Airborne Molecular Contaminants), but also particle emissions. This development corresponds to the latest demands in manufacturing under strict cleanroom conditions.





Nuclear power plants



Parks



Airports



Railway stations



Sika Solutions for Corrosion and Fire Protection



Industry



Infrastructure



Stadiums



Wind energy

Main Market Competence

Sika has economical, durable and reliable coatings for protecting steel structures against fire and corrosion. Sika products can also withstand the effects of extreme weathering, mechanical abrasion and chemical attack. In addition, Sika solutions have the advantages of long life, low volatile organic compound (VOC) content and pleasing looks.

Sika has achieved success all over the world in protecting many different types of buildings. Typical examples include industrial structures, infrastructure projects, power plants, wind farms and petrochemical facilities, etc..

Technology and Quality

Sika's technologies are based on epoxy, polyurethane and other modified resins. They include many specialized products such as low VOC systems and high build systems to reduce application costs.

Sika fire protection coatings for steel can also be applied on other substrates such as reinforced concrete and wooden structures. These intumescent coatings expand in fire situations to create an air filled insulation layer against the high temperatures.

Sika quality products comply with the highest requirements of national and international standards, including ISO EN 12944.

Unique Services and Support

- Concepts, specifications and detailing
- Application training and on-site support
- Innovative application tools
- Tailor-made guarantee concepts

Selective Sika Solutions and Products

Typical Application	Sika Solutions	Special Performance
Structural Steel Frames	SikaCor® Steel Protect VHS	Multi purpose coatings for corrosion protection of steel structures.
Transport Infrastructure	Sika® Poxicolor® Plus	Very economic and durable corrosion protection coatings with low solvent content.
Power Generation & Distribution	SikaCor® NCG Base Coat	Combination of 2-component zinc, epoxy base coats and PU top coats. Ideal for exposed wind farms off shore and on land.
	Sika® Permacor 2230VHSWEA	Low solvent thick layer coatings based on specially modified resin combinations for the protection of transmission towers and gantries.
	SikaCor®-6630 M	Low solvent thick layer coatings based on specially modified resin combinations for the protection of transmission towers and gantries.
Petrochemical and General Industry	Sika® Permacor-2807 HS-A	Solvent free, 2-component coatings. Extremely high mechanical resistance, high chemical, abrasion and impact resistance. Approved as an internal coating for steel storage containing flammable liquids.
	Sika® Permacor-337 VHS	Internal coating system for natural gas pipelines. High mechanical resistance and very smooth surfaces, reducing the friction resistance for the gas flow.
Steel Fire Protection	Sika® Unitherm® DS	Water based intumescent fire protection system. High performance and relatively low consumption.

Sika Speciality

Sika® Unitherm® Intumescent Coatings are globally approved and certified. They provide fire protection lasting from 30 minutes to 2 hours and are suitable for both interior and exterior use. They can be applied on steel, concrete or timber.





Stadium structures



Concrete façades



Tunnels



Water tanks



Concrete repair, protection and strengthening solutions for the Highway Bridge, Ticino, Switzerland

Sika Solutions

for Concrete Repair, Protection and Strengthening



Chimneys and cooling towers



Silos



Building structures



Sewage water treatment plants

Main Market Competence

Since the company was founded, Sika has long been associated with concrete refurbishment. Sika has developed fundamental procedures and pioneering products for the permanent repair and protection of decaying and damaged concrete. Sika was the first manufacturer to develop and introduce into the world market carbon fibre technology for reinforcing and strengthening of concrete structures. Our skills for producing new innovative products like these, together with economic thinking for sustainable solutions, means Sika today is a market leader in the field of concrete maintenance and refurbishment.

Technology and Quality

Sika produces concrete repair products to be used globally to meet all relevant standards, guidelines, local requirements or other recommendations. We know our customers demand simple easy to use products with additional added value, so we also develop internal Sika tests and procedures to further control the practical performance and quality of our products. Sika is a world market leader in concrete repair mortars, protection coatings for concrete, special mortars for extreme and demanding applications and structural strengthening using carbon fibre technology.

Unique Services and Support

- Survey and analysis of damaged concrete
- Concepts, specifications and detailing
- Product or system selection
- Application training and on-site support
- Quality Control recommendations
- Tailor-made guarantee concepts

Selective Sika Solutions and Products

Typical Application	Sika Solutions	Special Performance
Corrosion Protection of Reinforcement Steel	Sika® MonoTop®-910	1-component cement based product with good resistance to water and chloride penetration.
	SikaTop®-Armaterc®-110 EpoCem®	High performance corrosion protection based on epoxy modified cement. High resistance and protection, with outstanding adhesion.
Repair Mortar	Sika® MonoTop®-412 N	Cement based repair mortar for hand and machine sprayed application.
Protective Coating	Sikagard®-675 W Elastocolor	Waterproof acrylic resin based protective coating for concrete.
	Sikagard®-550 W Elastic	Elastic, crack bridging, waterproof protective coating for concrete. Excellent carbonation barrier.
Corrosion Inhibiting Impregnation	Sika® FerroGard®-903+	Special corrosion inhibitor to provide long term protection. Allows economic extension of the service life of concrete structures.
Hydrophobic Impregnation	Sikagard®-700 Range	Silane and siloxane based hydrophobic impregnations to repel water on concrete and other mineral building facades. Gel formulations for maximum penetration and higher and durable protection.
Injection Material	Sikadur®-52	Epoxy based injection resin for cracks > 0.3 mm width.
Structural Strengthening	Sika® CarboDur®	State of the Art strengthening systems based on carbon fibre technology and other composite materials.
	SikaWrap®	Used for the strengthening of reinforced concrete structures.
Sealing of Joints	Sikaflex®-AT Connection	Movement joint sealant to protect the concrete structure from aggressive media entering through the joints.

Sika Speciality

Sika® EpoCem® Technology has set a new standard in concrete refurbishment with the development of **EpoCem®** mortars which combines the advantages of both the cement and the epoxy binder systems. These products have unique mechanical, physical and long lasting durability properties together with optimized workability behaviours, and do not need any special curing protection systems against loss of moisture. They can be coated with moisture sensitive materials as little as 24 hours after application and protect against osmotic bubbling effects for a long time! **EpoCem®** mortars have the added advantage of heat resistance when applied in thin layers to withstand torched bituminous membrane applications.





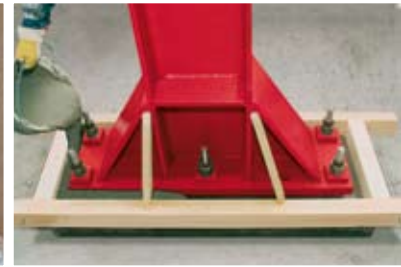
Steel plate undergrouting



Cable grouting



Epoxy resin grouting



Cementitious grouting



Structural bonding solution for a segmental bridge,
Oakland Bay Bridge, San Francisco, USA

Sika Solutions for Structural Bonding and Grouting



Structural bonding in dams



Bonding of bridge elements



Machine base plate grouting



Anchoring; bonding of threaded rods and rebars

Main Market Competence

As far back as the 1960's Sika was actively involved in producing products to bond elements of pre-stressed concrete bridge units together. This pioneering experience in bonding technology is still broadly in use worldwide today. Sika Adhesives are used in many different areas of construction and building, as well as industrial and manufacturing applications. Sika offers a wide range of fluid cement and synthetic resin mortars. These mortars, which can be poured or injected, are used for fixing pre-cast elements together or filling of voids under machine bases and base-plates. The fluid characteristics of grouting mortars are ideal for filling small gaps and hollow spaces and also protect pre-stressed cables in ducts and permanent anchors.

Technology and Quality

The unique quality management procedures enable Sika to produce products all over the world with similar quality and performance. Utilising a centralised research and development department for products with global markets, Sika introduces products through equally competent regional research centres. These centres test and facilitate the introduction of the new product to suit specific local requirements. Sika's development advances includes polymer adhesives, special adhesives, fluid polymer and cement grouts, adhesives with dampening functions for rails and injection grout for post tensioning structures.

Unique Services and Support

- Concepts, specifications and detailing
- Product or system selection
- Application training and on-site support
- Quality Control recommendations
- Tailor-made guarantee concepts

Selective Sika Solutions and Products

Typical Application	Sika Solutions	Special Performance
Structural Adhesive for Concrete and Steel	Sikadur®-31/ Sikadur®-31 SBA	2-component high performance epoxy based adhesives for the structural bonding of concrete, steel, glass, stone, wood and other materials, with excellent workability.
	Sika® AnchorFix®	2 component uni-cartridge applied solvent free adhesives for fast and secure bonding of dowel bars, steel reinforcement and anchoring bars, etc.. Based on modified epoxy and acrylate resins.
Grouting Mortars	SikaGrout®-300 range	Shrinkage compensated cement based grout with very good workability, mechanical strengths and application properties.
	Sikadur®-42 range	High performance grouts based on modified epoxy resins. No shrinkage, high durability and excellent mechanical strengths and strength correlation.
Cable Grout	SikaGrout®-300 PT	High performance cable grout for grouting post tensioning ducts. Special cement based formulation with unique 2 phase shrinkage compensating mechanism. No bleed water development.

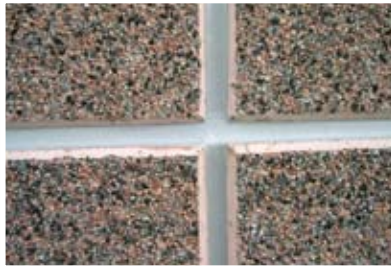
Sika Speciality

SikaGrout®-300 PT is a high performance, pre-bagged, non-shrink, cementitious cable grout for filling of post-tensioning ducts and protection of post-tensioning cables against corrosion.





Façade joints



Joints in precast elements



Façade connection joints



Floor movement joints



Sika Solutions for Joint Sealing



Floor connection joints



Roof connection joints



Flexible joints in car park decks



Joints in sewage treatment plants

Main Market Competence

Sika provides a full range of elastic joint sealants for buildings and civil engineering structures. Our current product range has been adapted for a range of applications based on more than 60 years experience.

Sika supplies joint sealing solutions not only for facades with high movement capacity and UV resistance, but also for floors in traffic areas with chemical and mechanical resistance. Sika also has long experience with joint sealants in sewerage systems which need to be specially formulated for maximum resistance to chemicals, micro-organisms, mechanical pressure, abrasion, etc.. Sealants for containment bunds to prevent leakage of pollutants are also a speciality of Sika.

Technology and Quality

Sika develops, produces and supplies all different types of quality joint sealing materials globally and is recognised as the global market and technology leader in elastic polyurethane (PU) sealants. Sika provides systems based on polyurethane (PU), PU-Hybrid (AT), silicone and acrylics, as well as the necessary ancillary products such as primers and cleaning agents.

With Sika's local support we can offer the most efficient, cost effective and reliable solution for every joint sealing requirement and standard.

Unique Services and Support

- Concepts, specifications and detailing
- Product selection
- Adhesion, compatibility and performance tests
- Systems compatible to other Sika Systems e.g. **Sikafloor®**, **Sikaplan®** and **Sarnafil®**
- Application training and on-site support
- Tailor-made guarantee concepts

Selective Sika Solutions and Products

Typical Application	Sika Solutions	Special Performance
Industrial and Commercial Floor Joints	Sikaflex® PRO-3WF	High performance 1-component PU sealant with outstanding mechanical and chemical resistance, ideal for all kind of floor joints.
Joints for Sewage Treatment Plants	Sikaflex® PRO-3WF	1-component PU sealant with maximum resistance to chemicals, micro-organisms, mechanical abrasion and pressure.
Joints for Containment Bunds and Petrol Stations	Sikaflex®-Tank N	Unique 1-component PU sealant used in areas for storage, filling and handling of water polluting liquids with European approvals.
Façade Joints	Sikaflex® AT-Façade	High quality 1-component sealant based on Sika's AT for high-level movement joints in façades, also ideal for non-porous substrates.
	Sikaflex® AT-Connection	1-component sealant based on Sika's AT to seal all kind of connections between different construction materials.
	Sikaflex® PRO-2HP	1-component PU sealant for high-level movement joints in façades and ideal for joints between precast concrete elements.
	Sikaflex®-Construction	1-component PU sealant for low-level movement and connection joints with good adhesion to concrete.
	Sika® Membrane System	Elastic EPDM membrane system to seal around windows and cladding connection joints particularly for ventilated curtain façades.
Sanitary and Wet Room Joints	Sikasil® / Sanisil®	1-component sealants based on silicone for joints in wet rooms and around sanitary ware.
Joints for Interior Finishing	Sikacryl®	Acrylic 1-component sealant for interior finishing of non-movement joints and cracks.

Sika Speciality

Sika's Joint Sealants Based on the "Advanced Technology" (AT) define a new performance level for façade joints. **Sikaflex® AT-Façade** is Sika's top quality sealant for movement / expansion joints where a special low modulus is required to allow a high level of movement. Whereas **Sikaflex® AT-Connection** is a high quality sealant for connection and construction joints, it has outstanding UV resistance and colour stability to ensure long life. The perfect adhesion on different substrates provides additional security and durability, and can be applied with minimal substrate preparation. Application properties can be adjusted to meet the applicators highest expectations.





Structural glazing



Insulating glazing



Weather sealing of glass and metal cladding



Weather sealing of natural stone façades



Structural glazing and weather sealant solutions for the glass façade
at Peek & Cloppenburg Store, Cologne, Germany

Sika Solutions for Steel and Glass Façade



Water & vapour proofing with facade membranes



Panel bonding



Glass panel grouting



Structural window bonding

Main Market Competence

Sika provides cost-effective, high-performance and sustainable solutions for waterproofing, sealing and bonding of façades. The Sika products fulfil various façade design and performance criteria including ecological regulations for interior climate control and energy consumption. Sika offers solutions for even the most complex situations and works closely with designers, manufacturers and contractors in optimising the right product choice. Sika is the global leader and ideal partner for the innovative façade and window industry.

Technology and Quality

Sika is the global technology driver in the development of structurally bonded windows in co-operation with window system providers and machinery manufacturers. Sika supplies a range of quality products consisting of adhesives and sealants for structurally bonded windows and structural glazing, as well as butyl primary edge seals and PU and silicone based secondary sealants for insulating glass. Backed up by a reliable and well supported technical service teams, Sika has the right system to suit the customer's needs.

Unique Services and Support

- Design consultancy and joint calculations
- Adhesion, compatibility and performance tests
- Consulting with selection of application technology
- Applicator training
- Tailor-made guarantee concepts

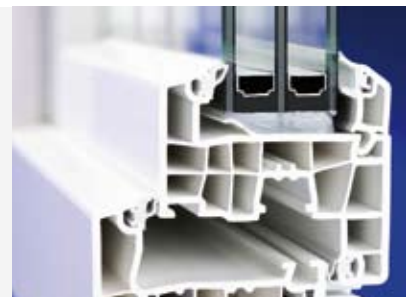
Selective Sika Solutions and Products

Typical Application	Sika Solutions		Special Performance
	Product	Material	
Structural Glazing	Sikasil® SG-500	2-C Silicone	SG adhesive for machine application, with fast curing properties.
	Sikasil® SG-18/20	1-C Silicone	SG adhesives, manual application, suitable for on-site repair glazing.
Insulating Glass	Sikasil® IG-25	2-C Silicone	IG secondary sealant for machine application with fast curing properties. ETA approved for the use in IG in SG façades.
	Sikasil® IG-25 HM plus	2-C Silicone	High-strength IG secondary sealant for insulating glass filled with inert gas. Complies with EN-1279-3. ETA approved for the use in IG in SG façades.
	SikaGlaze® IG-50	2-C PU	IG Secondary sealant for machine application. Compatible with Sika PU-adhesives for window bonding.
	SikaGlaze® IG-5 PIB	Butyl	IG primary sealant compatible with Sikasil® IG and SikaGlaze® IG secondary sealants.
Weather Proofing Sealants	Sikasil® WS-605 S	1-C Silicone	Weather resistant sealant for glass and metal façades.
	Sikasil® WS-355	1-C Silicone	Non-staining silicone weather resistant sealant for natural stone façades.
	Sikasil® WS-655	1-C Silicone	Non-bleeding silicone weather resistant sealant for glass and metal façades.
	Sikasil® WS-680 SC	MS polymer	Weather resistant sealant for self-cleaning glass façades.
Fire Retardant Sealants	Sikasil® FS-665	1-C Silicone	Fire retardant silicone sealant, 4 hours fire rated to BS476.
	Sikasil® FS-665 SL	1-C Silicone	Self-levelling version of Sikasil® FS-665 for wide floor joints, excellent flowability.
Glass Wall Grouting	Sika® Icosit KC	2-C PU	Self-levelling fast curing PU for stress-free embedding glass walls and balustrades.
Water & Vapour proofing	SikaMembran® system	EPDM	Membrane system for vapour proofing of façades in all climatic conditions. Easy application with high strength adhesive SikaBond® TF plus N.
Panel Bonding	SikaTack® Panel	1-C PU	System consisting of PU adhesive, spacer tape and surface pretreatment products, for flexible bonding of non-glass façade panels.
Window Bonding	Sikasil® WT-400 series	2-C Silicone	Adhesives for structural window bonding, available with various curing speed for manual to automated machine application. For all types of window frame materials
	Sikaflex®-650 WT-1	1-C PU	
	SikaFast®-5000 series	2-C Acrylic	

Sika Speciality

Sikasil® IG-25 HM plus is a globally established and highly successful IG secondary sealant for Argon filled Insulating glass units, with the lowest Argon loss rates.

Sika Glazing and Window Bonding Adhesives: unique product range for the structural sealing and bonding of all types of glazing units, windows and frames.





Gravel ballasted roofs



Solar roofs



Roof graphics



Metal roof imitation



Exposed curved roof waterproofed by mechanically fastened Sarnafil® membrane solution at Tempodrom, Berlin, Germany

Sika Solutions for Roofing



Industrial flat roofs



Green roofs



Utility roofs



Roof refurbishment with liquid membrane

Main Market Competence

Sika waterproofs roofs and fulfils other additional requirements, e.g. UV and mechanical resistance, flexibility in cold and thermal stability in heat, resistance to wind uplift forces, etc.. With experience and success in all kinds of applications on all building types, Sika's roofing solutions are suitable to be applied on most substrates and roof shapes (flat, curved and steep slope roofs). We are competent in providing proven long-lasting solutions for roofs with various uses, roofs with special aesthetical effects and solar roofs, while being especially capable in all kinds of roof refurbishment.

Technology and Quality

Sika is the No. 1 world leader in roofing material technologies which include: proven high-quality flexible membranes (PVC and FPO) with a long track record which can be either mechanically fastened or adhered to substrates in exposed roofing systems or be loosely laid under ballast; liquid membranes based on high-performance polyurethanes (1-Component PU powered by Moisture Triggered Chemistry) allowing even easier application by hand or machine on difficult roofs and details.

Unique Services and Support

- Full systems including all components and accessories
- Tailor-made guarantee concepts
- Wind load calculations
- Roof analyses
- Concepts, Customized specifications and CAD details
- Specialized application equipments
- Application training and on-site support

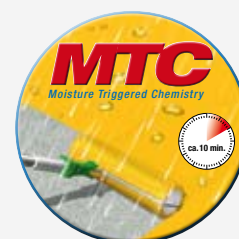
Selective Sika Solutions and Products

Typical Application	Sika Solutions			Special Performance
	Product	Material	Application	
Exposed Roof	Sikaplan® G / VG / VGWT	PVC	MF	Fast and less weather dependant installation, high vapour permeability.
	Sikaplan® SGK	PVC	A	Economical adhered solution, partial bond to substrate, fast adhesive application in strips.
	Sarnafil® S327	PVC	MF	Wide colour range, lacquered surface prevents from soiling, fastest and less weather dependant installation, high vapour permeability.
	Sarnafil® G410 / 410 Felt	PVC	A	High aesthetical performance and design possibilities, wide colour range, full adhesion to substrate, limited lateral underflow, lacquered surface.
	Sarnafil® TS77	FPO	MF	High chemical resistance, direct applications on XPS/EPS and bitumen, highly ecological, highly durable due to plasticizer free formulation.
	Sarnafil® TG76 Felt	FPO	A	Full adhesion to substrate, high chemical resistance, direct applications on XPS/EPS and bitumen, highly ecological, highly durable due to plasticizer free formulation.
	SikaRoof® MTC (Sikalastic®)	1-C PU	LA	Full adhesion to substrate, easy detailing, simple roller application, MTC technology, high vapour permeability.
Gravel Ballasted / Green / Utility Roof	Sikaplan® SGmA	PVC	LL	Fast loosely laid application, highly elastic product – easy to handle and weld, root resistant.
	Sarnafil® TG66	FPO	LL	High chemical resistance, direct applications on XPS/EPS and bitumen, highly ecological, root resistant, highly durable due to plasticizer free formulation.
	SikaRoof® MTC Ballast (Sikalastic®)	1-C PU	LA	Full adhesion to substrate, no lateral underflow, simple roller application, root resistant, MTC technology.

PVC - Plasticized polyvinylchloride FPO - Flexible polyolefins (polypropylene or polyethylene basis) A - Adhered MF - Mechanically fastened LL - Loosely laid LA - Liquid Applied

Sika Speciality

SikaRoof® MTC (Moisture Triggered Chemistry) composed of Sikalastic® Liquid Applied Membrane: incorporates a unique technology that allows the material to use atmospheric moisture to trigger the curing process in a wide range of conditions including extreme temperature ranges and humidity variations. Additionally they do not release CO² and are fire resistant. Once applied the membranes are completely seamless and will not show an adverse reaction to water. Due to their liquid state and specially developed reinforcement (**Sikalastic® Reemat**) they can be very easily applied with a common roller on most complicated roofs with lots of different flashings and penetrations.



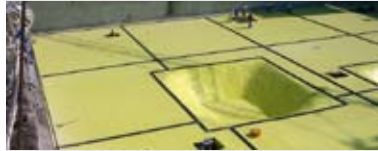
Sika Full Range Solutions for Construction

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®

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