

SIKA INDUSTRY INNOVATION FOR THE WORLD AROUND YOU



BUILDING TRUST

SIKA AT A GLANCE

SIKA HAS PROVIDED WATERPROOF-ING SOLUTIONS FOR MORE THAN

100 YEARS

THE FIRST PRODUCT, SIKA®-1, IS STILL ON THE MARKET EVERY YEAR SIKA SUPPLIES ENOUGH ROOF MEMBRANES TO COVER THE

WHOLE OF MANHATTAN

MORE THAN

30 %

INTERIOR NOISE REDUCTION IN VEHICLES THANKS TO SIKA'S ACOUSTIC SOLUTIONS

SIKA'S CLEANROOM FLOORING SYSTEMS RELEASE

1,000 TIMES LESS EMISSIONS

THAN STANDARD LOW VOC SYSTEMS

USING SIKA'S LONG-LASTING WINDOW INSTALLATION SEALANTS, MORE THAN

1 MILLION

WINDOW FRAMES ARE SEALED EACH YEAR, HELPING TO SAVE MORE THAN

10,000

TANKER LOADS OF HEATING OIL OVER THE WINDOWS' COMPLETE LIFETIME

WITH

84 AWARDS

IN 16 YEARS, SIKA IS THE COM-PANY WITH THE MOST CONCRETE REPAIR PROJECTS AWARDED WORLDWIDE THANKS TO SIKA'S RANGE OF WATER REDUCERS OVER

25,000 MILLION LITERS OF WATER

ARE SAVED ANNUALLY IN CONCRETE PRODUCTION

Sika is a specialty chemicals company with a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing and protecting in the building sector and motor vehicle industry. Sika has subsidiaries in more than 100 countries around the world and manufactures in over 160 factories. Its approximately 20,000 employees generated annual sales of CHF 7.085 billion in 2018.

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INNOVATION FOR THE WORLD AROUND YOU

Sika Industry is a technology leader in elastic bonding, industrial adhesives, sealants and acoustic applications. We are dedicated to serving manufacturers across a vast range of applications with solutions for production, assembly and repair. Sika delivers innovative solutions to the world's leading manufacturers and service providers in automotive, commercial vehicles, automotive aftermarket, marine vessels, renewable energies, sandwich panels, industrial equipment, HVAC, home and commercial appliances, modular building, facades and fenestration, as well as tooling, composites and technical casting.

We work closely with our customers in order to consistently develop high-quality products which are future-oriented towards the demands of our customers' business – lighter vehicles, quieter truck cabins, faster windshield replacement, more durable wind turbines, flexible mounting of solar panels, higher efficiency windows, fire-resistant building panels and faster assembly of appliances – to mention a few.

Our team of sales and technical service specialists are dedicated experts in their respective fields and are committed to providing support through all project phases – from design and validation to process optimization. Our team has a worldwide footprint and can be found locally in over 90 countries. Global knowledge and expertise ensures optimal solutions while local service and support offers personal response to business needs. Together, they make Sika the first choice for innovation, quality and delivery.

Our goal is to support our customers in the optimization of their product's durability and safety, as well as the enhancement of manufacturing processes to achieve cost and quality improvement.

MARKET FIELDS



More on Sika Industry: www.sika.com/industry

IMAGINE THE POSSIBILITIES

BUS DESIGN:

80 KG WEIGHT REDUCTION

WITH Sikaflex[®] LOW DENSITY ADHESIVES AND SEALANTS

HOME APPLIANCES:

50% MATERIAL SAVINGS

WITH SikaMelt® PRODUCTS

SANDWICH PANEL PRODUCTION:

30% FASTER

WITH SikaForce® 3-COMPONENT SYSTEMS

SAFE DRIVE-AWAY TIME:

30 MINUTES

WITH SikaTack[®] WINDSHIELD REPLACEMENT ADHESIVES



FRAME SIZE REDUCTION:

30% SMALLER

WITH Sikasil® STRUCTURAL GLAZING ADHESIVES

MARINE:

60% APPLICATION TIME SAVINGS

WITH Sikafloor[®] Marine UNDERLAYMENT SYSTEMS

MARINE VESSELS:

UP TO 60 DB NOISE REDUCTION

WITH Sikafloor[®] Marine FLOATING FLOOR SYSTEMS

TRUCK CABINS:

25% NOISE REDUCTION

WITH SikaBaffle® AND SikaDamp® ACOUSTIC SYSTEMS

IN SITU REPAIR OF WIND TURBINE BLADES:

1 HOUR

WITH SikaForce® AND Sikadur® REPAIR SYSTEMS



CORE COMPETENCIES

A key factor in the success of Sika is its strategic focus on clearly defined core competencies, namely: bonding, sealing, damping, reinforcing and protecting. Our development and technical service teams draw from a broad portfolio of technologies in order to offer the most innovative solutions within each competency.

BONDING

Bonding joins materials with durability and strength. Sika adhesives offer a full range of solutions for load-bearing joints and fastening, whether the application demands strength, flexibility or toughness. Our expertise in joining composites, glass, metals and plastics opens possibilities to incorporate a broad range of materials into new designs. Sika bonding technologies increase the safety and endurance of end products, enable greater design freedom and offer higher process efficiency.

SEALING

Sealing ensures insulation from the elements. Sika sealants are designed to withstand the most demanding environments with enduring flexibility. From facade elements to exterior joints on marine vessels, Sika sealants provide long-lasting barriers to wind, rain, sun and chemicals.

DAMPING

Damping reduces vibrations of all wavelengths in fixed and moving objects resulting in lower reverberation and noise emissions. Sika products are designed for a wide range of both structure and airborne damping treatments. Noise inside vehicles – whether in a car, a truck, or a cruise ship – is silenced, thereby significantly increasing comfort.

REINFORCING

Reinforcing bolsters the carrying capacity of statically- or dynamically-stressed load-bearing structures in a targeted manner, from crash-resistant vehicle bodies to lightweight window frames. Sika reinforcing solutions place the strength where you need it, permitting optimal design and use of materials.

PROTECTING

Protecting increases the durability of structures and preserves the materials of new and renovated objects. Sika solutions guarantee sustained protection for all types of materials against climatic conditions, chemical influence, pollution and fire.



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INDUSTRIAL LAMINATION

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TRANSPORTATION

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AUTOMOTIVE AFTERMARKET

SERVING DIVERSE MARKETS





AUTOMOTIVE

Products for sealing, bonding, damping and reinforcing

Sika solutions allow weight reduction Interior and exterior adhesive systems for component assembly



AUTOMOTIVE AFTERMARKET

High performance solutions for windshield replacement

- Wealth of expertise in car body panel replacement
- Durable protective coatings for car underbodies



TRANSPORTATION

Quality adhesive solutions for buses, coaches, rails and trams

Assembly bonding of trucks and trailers





MARINE

High-performance acoustic solutions

- Elastic and durable products for sealing and bonding
- Professional competence in boat and shipbuilding



INDUSTRIAL LAMINATION

Sandwich panel adhesives for buildings and transportation

Soft lamination of technical textiles, flooring and flexible substrates

Self-adhesive tapes and labels



FACADE & FENESTRATION

High-strength bonding in facades

 Innovative solutions for fenestration Competence in panel bonding for facades





RENEWABLE ENERGIES

Expertise in wind blade production and repair solutions

Innovative and reliable solutions for photovoltaics

Proven bonding technologies for CSP



- Vast solution spectrum for home appliances manufacturing
- Sealing, bonding and damping for industrial equipment
- Extensive technology range for general assembly applications



TOOLING & COMPOSITES

Products for pattern, mould construction and foundry systems

PUR- and EP-systems for fast prototyping and production
Composite and laminating systems for various application fields

SERVING DIVERSE MARKETS





AUTOMOTIVE

Lighter, Stronger, Safer, Quieter and Greener vehicles start with Sika. As vehicle designs push to reach sustainability targets with lighter weight materials, manufacturing environments demand the ability to produce in volume. Our adhesives for same- or mixed-material bonding in the body shop, glass in the trim shop, sealers in the paint shop, or in acoustic and reinforcement systems address comfort, crash safety and vehicle dynamics, and add value with a full systems approach. Vehicles are finished with laminating and assembly adhesives for interior and exterior bonding of surface laminates and assembly components.



BENEFITS THAT GO BEYOND THE BOND

Safety and sustainability are key considerations in vehicle design and manufacturing. Performance, economic and legislative targets have all driven the need for bonding solutions that can improve stiffness, crash durability and fatigue performance, all while focusing on weight reduction. Sika has designed specific products to fulfill these challenges.



>50%

of vehicles produced annually use Sika products and technologies

>150,000 l

less VOCs each year thanks to Sika's primerless to glass water-based pre-treatment

>20 million

vehicles made stronger and safer each year with our body shop adhesives

More on Automotive: www.sikaautomotive.com

DESIGNED AND TESTED FOR MAXIMUM EFFICIENCY





AUTOMOTIVE AFTERMARKET

Sika aftermarket solutions have been driving the automotive industry worldwide for more than 30 years. Our intelligent products combine state-of-the-art technology with user-oriented application properties which make it easy to get started right away. We provide a comprehensive portfolio for sealing and bonding, as well as noise dampening and protective coating applications in car body repair. Innovation, performance, reliability and ease of use make Sika products the number one choice for auto glass and body shop professionals all around the world.



PERFORM WITH THE ULTIMATE TECHNOLOGY

Sika PowerCure adhesives reach new standards in safety and reliability. PowerCure adhesives reach original vehicle performance (cured to OEM level) within minutes rather than days or weeks. Sika PowerCure adhesives allow new business models in auto glass replacement as well as increased comfort and safety for vehicle owners.



More on Automotive Aftermarket: www.sika.com/aftermarket

DRIVING TECHNOLOGY TO THE NEXT GENERATION

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TRANSPORTATION

Sika has been a partner to the world's leading manufacturers in the transportation market for more than 25 years. Bus, truck, rail and special vehicle producers rely on the most comprehensive range of solutions for bonding, sealing, damping, reinforcing and protecting. Our solutions meet customer demands for high safety, comfort and lower operating cost combined with improved durability. Apart from high-quality products, Sika's customer-focused organization offers full support with a world-wide presence of technical service together with a well-trained sales force who assist and plan for smooth-running serial productions and repairs.



LIGHTER VEHICLES

New solutions for bonding aluminum and engineered plastics pave the way for lighter, more fuel-efficient vehicles. Sikaflex[®] elastic adhesives can join a diverse range of materials allowing for optimized design and weight. The elastic nature of Sikaflex[®] adhesives distributes loads more evenly while enhancing structural stiffness, allowing chassis members and body panels to be minimized.



More on Transportation: www.sika.com/transportation

YOUR PARTNER FOR CUSTOMIZED SOLUTIONS IN SHIPBUILDING

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MARINE

Sika provides direct glazing, teak decking, exterior and interior sealing and bonding, as well as acoustic flooring systems in the manufacturing and repairing of leisure boats, commercial vessels and offshore platforms. Our elastic bonding and sealing solutions are designed with the harsh marine environment in mind: resistance to water, sun, cleaning chemicals and fatigue. Sika offers a range of flooring products, each of which have a levelling and smoothing aspect, as well as varying degrees of noise and vibration reduction properties. All this, coupled with fire performance, assures that the requirements of both ship owners and regulatory bodies are met.



DURABLE, RELIABLE AND APPROVED SYSTEMS

Our Sikafloor® Marine range offers ship refurbishment solutions for levelling, acoustic noise reduction and damping which allows new installations to be walked on in as little as 2 hours. Durable, lightweight and fire-rated, our systems fulfill IMO regulations as well as those of other major authorities and classification societies.



More on Marine: www.sika.com/marine

SOLUTIONS FOR EVERY APPLICATION





INDUSTRIAL LAMINATION

Sika adhesive solutions are found in a broad range of industrial lamination applications. Laminated building panels combine high strength, low weight and engineered properties such as insulation and fire performance while ensuring durable, aesthetically-pleasing surfaces. Transportation panels meet the challenges of lightweight, durable vehicles while operating in an environmentally-friendly way. Sportswear, protective and medical textiles are laminated to satisfy demands for breathability, washability and wearing comfort. Self-adhesive tapes and labels fulfill the need for convenient, fast and reliable adhesion in packaging and technical applications.



HIGH PRODUCTIVITY WITH SIKA SOLUTIONS FOR LAMINATION

SikaMelt[®] and SikaForce[®] lamination adhesives deliver the highest productivity in panel lamination. SikaMelt[®] reactive hot melts offer near instant fixation together with the durability for permanent bonding. SikaForce[®] multi-component adhesives offer on-demand cure speed adjustments cutting the reduction of process times by up to 30 %.



25 million m²

of building panel laminates produced every year with SikaForce® and SikaMelt®

22 million m²

of soft laminates bonded annually with SikaMelt®

25,000

trailer bodies laminated using Sika products each year

More on Industrial Lamination: www.sika.com/ses

CREATING BOLD AND DURABLE DESIGNS



FACADE & FENESTRATION

The increasing knowledge about glass properties creates an ever growing demand for bolder and creative facade designs with more natural lighting. To strike the ideal balance between aesthetic appeal and energy efficiency, architects are increasingly turning towards glass for the building envelope. Sika offers a full range of complimentary solutions for insulated glass manufacturing, structural glazing and weather sealing, thereby ensuring system compatibility. With its profound competence in opaque and glass facades alike, Sika has been the ideal partner for planners and applicators of all kinds on building envelopes for decades.



MORE WINDOW - LESS FRAME

Sikasil[®] structural glazing solutions offer the highest design strength in the industry. Efficient load transfer allows frame members to be minimized in commercial facade elements and residential bonded windows. The result: more window and higher thermal performance.



7,000 facades bonded and sealed with Sikasil® engineering silicones

10 million windows structurally bonded with Sikasil® WT

25%

savings in energy using insulating glass sealed with Sikasil® IG-25 HM Plus

More on Facade & Fenestration: www.sika.com/ses

HIGH PERFORMANCE IN TOUGH CONDITIONS



RENEWABLE ENERGIES

Sika is proud to successfully supply the renewable energy industry for 20 years. With this experience in hand, we know what it means to deliver products and solutions that will last over decades under the harshest environmental conditions, while at the same time offering continuous system cost reduction and efficiency improvements. Moreover, Sika's global experts assist our partners in all phases, from design to implementation and beyond. Our focus lies in providing manufacturers and installers in the wind energy, photovoltaic module, thermal collector and concentrated solar power industry with proven and innovative solutions for sealing, bonding and protecting.



DESIGN AND PROCESS OPTIMIZATION

Sika meets the ongoing optimizations and improvements in the industry with innovative products and solutions for production, installation and repair. Our toughened epoxy technology is the answer to new blade designs and our structural silicones are key to cost-optimized photovoltaic systems.



Wind Blade Models and Moulds SikaBiresin® SikaBlock®

Nacelles and Machine Parts Sealing, Bonding and Protecting SikaForce® Sikaflex® Sikasil®

SikaFast®

SikaCor®

Wind Blade Bonding and Repair SikaForce® Sikadur®

Wind Turbine Towers Protection and Erection Sika® Permacor® Sikadv ViscoCrete® Sikadrour® SikaGrout® SikaFroce® Sikaflex®



CSP Mirror System Bonding Sikasil[®] Sikaflex[®]

Photovoltaic Module Production and Installation Sealing, Bonding, and Potting Sikasil®

30,000 wind turbines operate

worldwide thanks to SikaForce®

300 kg SikaForce® contained in a typical wind turbine blade

50 % of all global CSP

power plants are bonded with Sikasil®

More on Renewable Energies: www.sika.com/renewable-energy

SOLUTIONS FOR OPTIMIZED PROCESSES



APPLIANCES & MANUFACTURING

Manufacturers of home appliances and industrial equipment strive for aesthetic appeal and comfort as well as process optimization. Sika's broad technology portfolio serves a broad variety of applications in white goods, elevators, HVACs and other industrial equipment with solutions for sealing, bonding, damping and protecting. Being a solution-oriented company, Sika delivers with comprehensive project support from planning to implementation of production and beyond.



HIGHEST PRODUCTIVITY WITH EXCELLENT QUALITY

Increased automation, shorter cycle times, new material combinations and designs along with increased quality expectations call for optimized solutions. Our SikaMelt[®] product range can bond a diverse array of materials with the fastest process cycles and is one of our many solutions to cope with today's challenges.



dishwashers/year produced globally are quieter thanks to SikaDamp[®] acoustic pads global home appliance producers trust in Sika products system cost reduction with SikaMelt[®]

More on Appliances & Manufacturing: www.sika.com/appliances

IDEAS TAKE SHAPE





TOOLING & COMPOSITES

Customers around the world rely on our innovative products of solid and liquid epoxy and polyurethane resins for use in model, mould, tool and part production. Our expertise in a wide range of PUR and EP development also allows Tooling & Composites to offer customized solutions (and developments) in special markets such as medical and industrial filters, dielectrics, composites, composite bonding, functional coverings and other series casting applications. All these market fields are marketed by the business unit SikaAxson.



RAPID PRODUCTION

Due to an increasing variety of models in all industries, the demand for small series is constantly growing. Injection moulding with costly steel moulds are less profitable. A cost-effective option is the RIM process, in which SikaBiresin® polyurethane resins are injected and are then cured within 5-20 minutes to finished parts. Applications like headlamp lenses, heat resistant parts or computer cases can be done in this easy and cost-effective way.



ENGINEERING SUPPORT GOING BEYOND THE SUPPLY OF MATERIALS AND PRODUCTS

Sika is dedicated to providing and maintaining the highest quality standards with its products and services. All Sika solutions are designed with the customers' success in mind and to establish long-lasting and mutually-beneficial relationships.



Local, individual support backed up by a strong global network of experts with direct contact to research and development.

TECHNICAL SERVICE AND ENGINEERING SUPPORT

Sika Industry's well-proven solutions are equally complemented with an unmatched level of support and service. The technical functions of the company are organized into dedicated local and regional teams in order to provide customers with innovative solutions, experience and knowledge. Our teams help from the idea through to the design stage and until the completion of a project with:

- Organization of project-specific material and durability tests performed by qualified laboratories
- Supplying technical documentation to support design, simulation and manufacturing processes
- Helping determine the best fit for production setups by building up similar production processes in-house
- Supporting customers independently with the evaluation and setup of equipment such as pumps and dosing units, all the way up to fully-automated cells
- Providing tailored customer application trainings

RESEARCH AND DEVELOPMENT (R&D)

With about 70 patent applications every year, Sika is one of the most innovative companies in Switzerland and amongst the top 10 patent holders in recent years.

Sika's R&D strategy includes centralized functions such as research, which delivers new and unique building blocks, analytical services, R&D information and IP management to support all its technology centers worldwide. 20 global technology centers are the backbone of product development with relevance and impact on a global base. In addition, 18 regional technology centers with a focus on product development, adaptation and solutions for the specific needs of a region, and 60 local technology centers vital for country-specific adjustments, complete the global footprint and matrix of Sika's R&D. This footprint offers access to a worldwide network of partners, suppliers and scientists to guarantee customeroriented solutions everywhere.

SUSTAINABILITY MORE VALUE, LESS IMPACT

Creating value while reducing impact – that's the goal. Sika's strategy fully integrates sustainability into all its business processes in order to maintain its competitive advantage. Internally, the company promotes sustainability through its efficiency and safety programs to enhance economic, social and environmental progress.

In 2014, Sika implemented a worldwide sustainability strategy. With the avowed aim of "More Value – Less Impact" the company defined six strategic targets to focus its activities over the coming years on: economic performance, sustainable solutions, local communities/society, energy, waste/water and safety. Through its products, systems and solutions Sika strives to create long-term benefits and to significantly reduce resource consumption and impact associated with production.

RESPONSIBILITY FOR THE FUTURE

Sika is dedicated to sustainable development by assuming responsibility in providing solutions in order to improve material, water and y efficiency in construction and transportation. Sika strives to create value with its products, systems and solutions along the whole supply chain and throughout the life span of its products.

SUSTAINABILITY IMPACT ON INDUSTRY BUSINESS

- Energy-saving products
- Solutions for renewable energy
- Reduced material consumption
- Considerable weight savings
- Durable and long lasting systems

FOCUS AREAS

Relevance

Sustainability is a business enabler, business driver and brand message, with high relevance to construction and transportation target markets, driven by global megatrends, e.g. population growth, climate change and increased regulations.

Increase Value

We are an industry leader by pioneering a portfolio of sustainable products, systems and services. Products and systems are designed for energy, material and water efficiency, for durability and safe use, driven by Sika's product innovation process, sustainability roadmaps and technology teams.

Reduce Footprint

Sika improves its environmental and safety footprint by reducing energy, water and material demand per product unit and by working without injuries. The company sets targets for safety and efficiency by holding line management responsible for achievement.

Compliance

Legal and regulatory compliance, anti-corruption and respect for human rights along the supply chain are the foundations of Sika's business behavior wherever the company operates.

Social Progress and Integration

Sika builds trust and creates value for customers, communities and society. Sika believes that embedding in the social fabric of society and communities will promote its business to the benefit of all.

Public Commitments

Sika is a signatory of the UN Global Compact and a member of the World Business Council for Sustainable Development. Donations to sustainable projects underpin the company's commitment.

SIKA INDUSTRY BRANDS

Brand families	Description
Sikaflex®	Prepolymer-based flexible adhesives and sealants for glazing, sealing, bonding, bedding and caulking
SikaFast®	1- and 2-component adhesive systems based on advanced acrylic chemistry
SikaPower®	1- and 2-component epoxy adhesives and sealants for body shop and industrial applications
Sikasil®	Silicone-based sealants and adhesives for industrial applications
Sikafloor® Marine	1- and 2-component cementitious, epoxy-, or polyurethane-based floors for Marine interior and exterior
SikaTack®	1-component polyurethane windshield adhesives (PowerCure)
SikaMelt®	Reactive and non-reactive hot melt adhesives for industrial applications
SikaSense®	Water- and solvent-based 1- and 2-component adhesive systems, engineered to create an elastic, strong and durable bond on plastics, wood, synthetic, leather, cotton fibers or wood fibers (also used in other TM)
SikaTherm [®]	Water-based and solvent-based panel bonding adhesives for a variety of laminating applica- tions for interior in Automotive (only Industry products)
SikaForce®	1-, 2- and 3-component polyurethane adhesives range from flexible to structural strength for industrial application
Sikagard®	Protective coating (also used in other TM)
SikaSeal®	Rubber based mastics, thermoplastic and rubber based shapes, tapes and parts, underbody coatings and waxes
SikaDamp®	Wide range of sound deadeners based on elastomers, bitumen or butyl, which can also be coupled with a constraining layer
SikaBiresin®	Casting resins for models, moulds, composites, special applications
SikaBaffle®	Thermoplastics or rubber-based products for acoustic insulating and sealing the vehicle cabin against noise, dust and in cavities of Automotive and Truck, granulate for moulding or co-extruded tape (also used in other TM)
SikaBlock®	Tooling boards for model making
SikaBond®	Adhesives for professionals with specific bonding applications (also used in other TM)
Sikadur®	Structural bonding, anchoring, resin grout, epoxy mortar, rail fixing, tile grout, etc. based on filled reactive resin (also used in other TM)
SikaLastomer®	1-component butyl sealant systems

GLOBAL BUT LOCAL PARTNERSHIP



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

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