

WE  
ARE  
AIRPORTS

With over 100 years of experience, Sika has a long track record of success as a complete system and problem solution provider on many airports and Infrastructure projects all around the world. With extensive technical expertise and solid practical experience on every continent and in all types of climate and environment, Sika is a highly qualified and reliable partner for all of your projects.

Sika is the global technology and market leader in specialist chemicals for building and construction, providing products and complete system solutions for architectural and structural concrete, structural waterproofing, steel corrosion and fire protection, roof waterproofing, structural glazing, flooring and wall finishes, sealing and bonding, damping and reinforcing, plus so much more.

**100**  
YEARS OF  
EXPERIENCE



## DEDICATED SUPPORT

Sika has created a **Major Project Management Team**, dedicated to offering a customised service for large scale projects, such as airports, where there are many facets to the design.

Bringing together experts from key areas of its business, the team simplifies the process for customers, offering one point of contact and saving valuable time and resources for you and your clients. Each customer is assigned an individual contact who will manage the project from inception, coordinating our product offerings from roof to basement.

Sika offers one of the industry's widest product ranges for waterproofing, roofing, flooring, concrete, sealing and protective coatings. The Major Project Management Team has the breadth of experience to manage every aspect of your project, ensuring you get the best solution for all of your project needs.

## DEDICATED SERVICE

# FROM BASEMENT TO ROOF

## SIKA, YOUR IDEAL PARTNER



## CONSTRUCTION SOLUTIONS FOR AIRPORTS

When designing and building aviation facilities, not only is there the need to satisfy necessary building performance requirement, but the process should aim to reduce the facility operating costs. With more than 100 years of experience, Sika's solutions provide a single source for fully integrated and compatible products and system solutions for airports.

These capabilities can help you address many important issues in both new construction and refurbishment projects, and can also combine to help the business run efficiently and maximise the return on investment. Sika solutions are designed and proven to be energy-efficient, highly reliable and sustainable.



## SIKA SUPPORT AND GUARANTEES

Sika offers a range of support services from design support, specification writing, detail drawings, as well as performance feasibility studies and sustainability analysis from the onset, right through every aspect of the build, including detailed quality control, to the project's completion and final handover.

Typical support services from Sika may include:

- Single point of contact for all major projects
- Bespoke value engineered solutions at design stage
- Detail drawing concept assistance
- Performance feasibility
- BIM support
- Application training and on-site support
- Defined quality control procedures from production to installation
- Life cycle and sustainability analysis
- Local support for International projects

Sika guarantees and future maintenance plans give extra security for airport facilities. Follow-up support and all of the necessary technical expertise and resources are available to support our customers and their clients worldwide.



# TAILORED SOLUTIONS

## FOR ALL YOUR AVIATION FACILITIES

Every part of an airport has unique construction requirements, from the building envelope to the runway, and will be exposed to many risks, either during construction or post completion. However, water ingress and aggressive pollutants remain the biggest threats. It is therefore critical that your building has a high performance “envelope” that provides secure and unyielding protection from these elements.

Sika produces a wide range of quality products and systems that can waterproof and protect, seal, bond, strengthen, reinforce, and when necessary, repair the buildings. Sika building envelope technologies simultaneously promote functionality, enhance the appearance, and extend the service life of buildings.

“Sika understands the specific requirements of aviation facilities and can offer tailored solutions and expertise for all areas, ensuring an efficient facility as well as a comfortable and attractive environment for both travellers and staff.”



## As an innovative pioneer,

Sika thinks ahead and is committed to a better environment with a sustainable and integrated product approach.

Our products and system solutions contribute very positively to the sustainability of your aviation facility. Being aware that environmental impact occurs at each stage of a product life cycle, Sika uses a Life Cycle Assessment (LCA) method according to ISO 14040 and European Standard EN15804, to provide a quantitative evaluation of the potential environmental impact of our products over their whole life cycle. Sika works to develop solutions for:

- Energy-efficiency
- Climate protection
- Material-efficiency
- Water-efficiency

All of these can contribute very significantly towards our product and your project's sustainability.

## SIKA AT A GLANCE

17,000+ TEAM MEMBERS

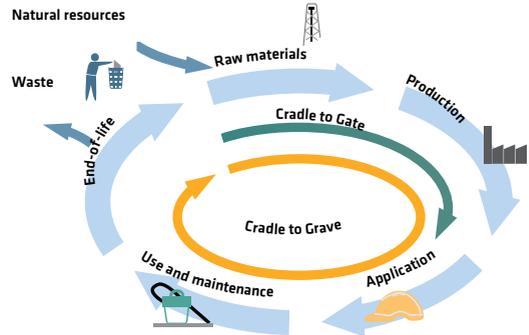
90 COUNTRIES

170 FACTORIES WORLDWIDE

70+ NEW PATENTS 2014

£3.8 BN NET SALES 2014

£115 MILLION SPENT ON R & D



# SUSTAINABLE SOLUTIONS



Sika has always been a pioneer in supplying solutions to meet the highest environmental standards and participates in green building certification programs, such as LEED, BREEAM and DGNB. Sika is committed to genuinely sustainable building and civil engineering structures and so is also a member of the World Business Council for Sustainable Development (WBCSD), the United Nations Environment Programme (UNEP), Sustainable Building Initiative (SBCI), and Responsible Care..





**WHEN FLOORS PERFORM AS  
EFFECTIVELY AS THE STAFF**

# FLOORING

Creative design for airports is essential when considering their multifaceted nature, and the need to deliver a comfortable environment that must also cope with heavy foot traffic, be easy to clean and care for, but that still enables you to maximize aesthetics.

An airport is arguably one of the busiest thoroughfares in the world, in use day and night, 365 days of the year. Each flooring area must be tailored to its usage, capable of withstanding extensive foot traffic, as well as adhering to statutory fireproof, non-slip, and waterproof regulations. Sika understands the composition of each floor, and the legislation required, and supports any installation from start to finish. Sika has solutions for all areas in an airport both internally and externally.

Maintenance areas such as cargo and aircraft hangars, where floors may need to deliver anti-static capability, chemical resistance, or point load strength from heavy machinery, have unique characteristics, for which Sika has specific solutions.

For general public areas, where passenger experience and comfort is the ultimate design consideration, along with maintenance and longevity, Sikafloor® PS23 and PS24 have become the first resin flooring systems to achieve a manufacturer specific BRE Green Guide Rating, attaining an A+, the highest rating available, helping design teams achieve the highest BREEAM score possible. Floors with Sika flooring systems have lower life cycle costs, with easy-clean features and regeneration possibilities. As a liquid vinyl, this system becomes homogenous with the screed, omitting the often unsightly bubbling that can occur through the delamination of vinyls and linoleum.

Included in Sika's comprehensive range of solutions is specific flooring for use within food preparation areas, where the ability to withstand harsh cleaning regimes is necessary. Used in airports globally, Sika has the knowledge and experience to help.

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## TOP BRANDS IN FLOORING

Sikafloor®  
Sika Comfortfloor®  
Sikafloor® PurCem®  
Sika® Decorative Resins  
SikaScreed® HardTop-80  
Sikafloor® Level®

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## MAIN APPLICATION AREAS

**Commercial, public and residential floors**

**Production, process, logistic and storage facilities**

**Food and beverage production facilities**

**Floor areas with electrostatic discharge protection**

**Walls and ceilings**

**Cementitious flooring**

**Car park floors**

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Detailed information and references:

[www.sikaflooring.co.uk](http://www.sikaflooring.co.uk)



## BRIDGING THE GAP WITH SIKA SEALANTS

# SEALING & BONDING

## FAÇADES, FENESTRATION AND INSULATING GLASS

Sika has a fantastic range of high performance structural adhesive systems for glazed and panel façades.

Sika can provide structural joint calculations, colour samples, NBS and standard details, registered contractor schemes, site visits, adhesion compatibility testing, in-house or on-site training, technical support and third party accreditation.

Structural adhesives are used for glazed and ventilated façades, rainscreen cladding, membrane joints, balconies and balustrade bonding, laminar bonding of spandrel panels, and window bonding.

Solutions include: secret fixation method for rainscreen cladding, to replace unattractive visible fixings or costly mechanical secret fixing, structural silicones for glazing, allowing an enormous saving impact on material consumption by the use of slimmer frames, creating a more transparent façade, prevention of unwanted water vapour with Sika's membrane and bomb blast resistance.

## JOINT SEALING

Sika provides cost-effective, high performance solutions for all your sealing and weather seal requirements.

Our extensive range of sealants meets the latest CE requirements, and offers solutions for a wide range of applications and substrates, including concrete and composite panels, stone, brickwork, and metal.

Solutions include: elastic sealants for expansion joints and perimeter seals, weather sealants for façades, including natural stone, fire rated and acoustic sealants, ideal when specific ratings are required, sanitary, anti-bacterial and hygienic sealants, anti-pick solutions, and general elastic adhesives.

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### TOP BRANDS IN SEALING & BONDING

Sikaflex®

SikaBond®

SikaHyflex®

Sikasil®

SikaTack® Panel

SikaMembran®

Sika Boom®



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### MAIN APPLICATION AREAS

Building envelope solutions

Civil engineering and floor joints

Floor covering solutions

Interior finishing

Universal bonding

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Detailed information and references:

[www.sika.co.uk](http://www.sika.co.uk)



**SIKA ROOFING -  
COVERING THE WORLD**

# ROOFING

A long-lasting watertight roof is essential for the reliable operation and sustainability of a building. Sika produces high quality and long-lasting solutions including the market leading ranges.

Sika® Sarnafil®, Sika-Trocal®, and Sika® Liquid Plastics Decothane® range of membranes that meet all the specific needs and budget requirements of airports and aviation facilities.

Sika offers systems for a range of applications including exposed roofs, helipads, congested roof areas, conventional gravel ballasted roofing systems, green roofs, solar roofs, and balconies. Where the life of a facility is being extended, Sika offers solutions ideal for refurbishing the life of existing aviation facility roofs, with appropriate systems. This is often much more economical than completely re-roofing or effectively re-building.

Compared to traditional bitumen roofing, Sika's full range of mechanically fastened or adhered single ply membranes and Sika® Liquid Plastics range of liquid membrane systems have many potential advantages, including longer life-expectancy, flame-free application, energy-smart light coloured reflective membranes, lower additional loadings, and considerably higher flexibility and elasticity, particularly at low temperatures. Application of these systems can be completed with the building still occupied. Sika roofing solutions are therefore provided with comprehensive guarantees for years of increased service life. Sika offers expert advice in selecting the most appropriate roofing system, including specific project surveys and assessments.

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#### TOP BRANDS IN ROOFING

Sika® Liquid Plastics

Sika® Sarnafil®

Sika-Trocal®

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#### MAIN APPLICATION AREAS

Exposed roofs

Liquid applied membranes

Ballasted roofs

Inverted roofs

Green roof systems

Solar roofs

Aesthetic roofs



Liquid Plastics

**Sarnafil®**

**Sika-Trocal®**

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Detailed information and references:

[www.sarnafil.co.uk](http://www.sarnafil.co.uk)

[www.sikatrocal.co.uk](http://www.sikatrocal.co.uk)

[www.liquidplastics.co.uk](http://www.liquidplastics.co.uk)



**WHEN STRUCTURES STAY  
WATERTIGHT FOR GOOD**

# WATERPROOFING

Belowground areas are frequently used for essential service functions such as parking garages, plant rooms, baggage handling and storage.

Belowground structures are constantly exposed to potential water ingress and rarely have an opportunity to fully dry out. Penetrations through basement floors and walls, and any movement, construction or connection joints, can all provide an easy path for water infiltration. Leaks can also arise following defects, errors, or damage in construction.

The managed supervision and construction of watertight basements, and other belowground structures, is critical for durable, long term service and function, as is the selection of the most appropriate water-proofing concept and system.

Sika can provide expert advice, and support your watertight construction project from the earliest stages in the design, throughout site construction and quality control, to final completion and acceptance on site. Sika offers complete solutions for the successful waterproofing and protection of basements and belowground structures, including the innovative SikaProof® fully bonded sheet membrane system, the Sikaplan® membrane and waterbar system, rigid waterproofing systems consisting of Sika® Watertight Concrete using Sika admixtures, Sikalastic®-PU/PUREA based liquid applied membrane systems, and Sika Igoflex® and Sika® Bituseal bitumen based coatings and membranes.

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## TOP BRANDS IN WATERPROOFING

Sikaplan®  
SikaProof®  
Sikadur-Combiflex®  
Sika Waterbar®  
Sika® Injection  
SikaTop®  
Sika®-1  
SikaFuko®  
SikaSwell®

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## MAIN APPLICATION AREAS

**Basements**  
**Service tunnels**  
**Walkways and bridges**  
**Potable water and wastewater storage**  
**Pits and ponds**  
**Lift pits**

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Detailed information and references:  
[www.sikawaterproofing.co.uk](http://www.sikawaterproofing.co.uk)

# BUILDING TRUST SINCE 1910

SIKA HAS BEEN PROVIDING  
WATERPROOFING 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

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 THEIR COMPLETE LIFETIME

WITH

## 84 AWARDS

IN 16 YEARS, SIKA IS THE COMPANY WITH THE  
MOST CONCRETE REPAIR PROJECTS AWARDED  
WORLDWIDE

THANKS TO SIKA'S RANGE OF WATER REDUCERS OVER

## 25,000 MILLION LITRES OF WATER

ARE SAVED ANNUALLY IN CONCRETE PRODUCTION



## MEET THE TEAM



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BUILDING TRUST

