



SIKA  
WE ARE AIRPORTS

BUILDING TRUST



# SIKA FULL RANGE SYSTEMS FOR AIRPORTS

**SINCE 1910** Sika has been a reliable partner in construction projects in almost every part of the world and has gained an enviable reputation for quality products and system solutions backed up by unrivalled technical expertise and support.

Airports and the aviation industry present particular challenges. Sika understands these challenges and offers advice and solutions to satisfy the performance requirements of every part of an airport, for both new build and refurbishment projects.

Our solutions contribute to the overall performance of buildings and airside facilities whilst potentially reducing operating costs.

Sika provides a single source for integrated and compatible solutions from basement to roof in the following areas:



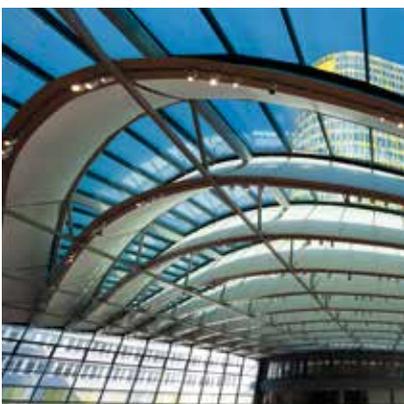
**ADMIXTURES FOR CONCRETE**



**WATERPROOFING**



**ROOFING**



**SEALING AND BONDING, STEEL PROTECTION**



**CONCRETE PROTECTION AND REFURBISHMENT**



**FLOORING**

# BUILDING TRUST EVERY DAY

## WORKING WITH SIKA

**Sustainability** – Sika's commitment to our product development and your project includes Life Cycle Assessments (LCA) according to ISO 14040 and EN15804. Sika has clear targets for achieving a sustainable future in all aspects of our business.

**Compatibility** – a system approach to ensure long term performance.

**Simplicity** – Buildability to ensure successful installation without complications.

**Dependability** – Sika's commitment to suitability and quality ensure long term performance for the intended use.

**Flexibility** – The range of products and systems we manufacture allows the right choice for the project as well as opportunities for value engineering at the design stage.

**Support** – Unrivalled technical and practical support throughout the project cycle.

## SIKA AT A GLANCE

- Operations in over 100 countries
- 900+ staff engaged in Research and Development
- The widest range of products and systems in our key Target Markets

Which all means that you are collaborating with a global market leader who will work with you, using our experience and expertise to arrive at the best solutions for your project, wherever it is.

Sika has airport specialists located in each of our regions.

## PROJECT SUPPORT



**Health & Safety**



**Single Source Supplier**



**Objective Approach to Specification**



**Quality Products & Market Leading Solutions**



**Buildability and Compatibility**



**BIM Objects**



**Maximizing Value**



**Risk Management**



**Single Point of Contact**



**Time and Cost Saving Solutions**

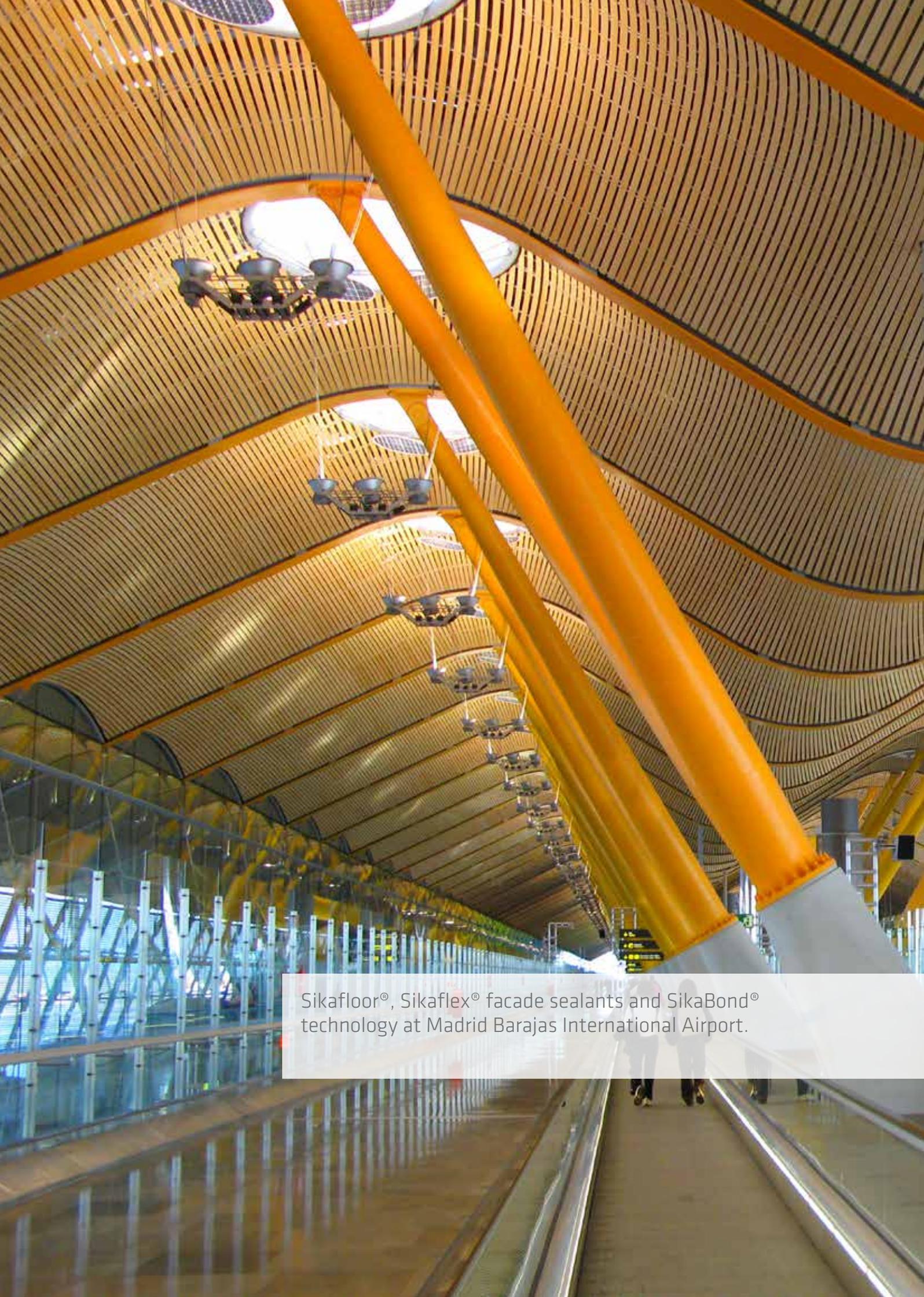


**Life Cycle Sustainability Analysis**



**Support through the project cycle**

**EARLY ENGAGEMENT TO ACHIEVE BEST VALUE**



Sikafloor®, Sikaflex® facade sealants and SikaBond® technology at Madrid Barajas International Airport.

# TERMINAL BUILDINGS

**THE SIKA BASEMENT TO ROOF CONCEPT** can really bring design, construction and operation efficiencies to airport terminal buildings.

## DECORATIVE AND DURABLE FLOORING

Sikafloor® seamless coatings, alongside joint sealants and movement joint systems offer improved performance, aesthetics and passenger experience as well as lower life costs.

## ROOF SYSTEMS AND FACADE SEALANTS

A watertight envelope from a range of technologies. Sika offer roof waterproofing solutions ranging from Sarnafil® and Sikaplan® single ply membranes through to Sikalastic® cold applied liquid and spray applied systems. Alongside a comprehensive range of Sikaflex® facade sealant technologies we are able to propose the right solution for specific project requirements and location as well as advise on material compatibility and detailing.

## BELOW GROUND WATERPROOFING

For watertight, durable structures including basements and tunnels, Sika has the most comprehensive range of waterproofing technologies in the market, enabling a complete system approach from one supplier, tailored for the specific project requirements. Sikaplan® and SikaProof® membranes, cementitious renders and water management systems are complimented by a full range of ancillary products.

## FIRE PROTECTION AND PROTECTIVE COATINGS

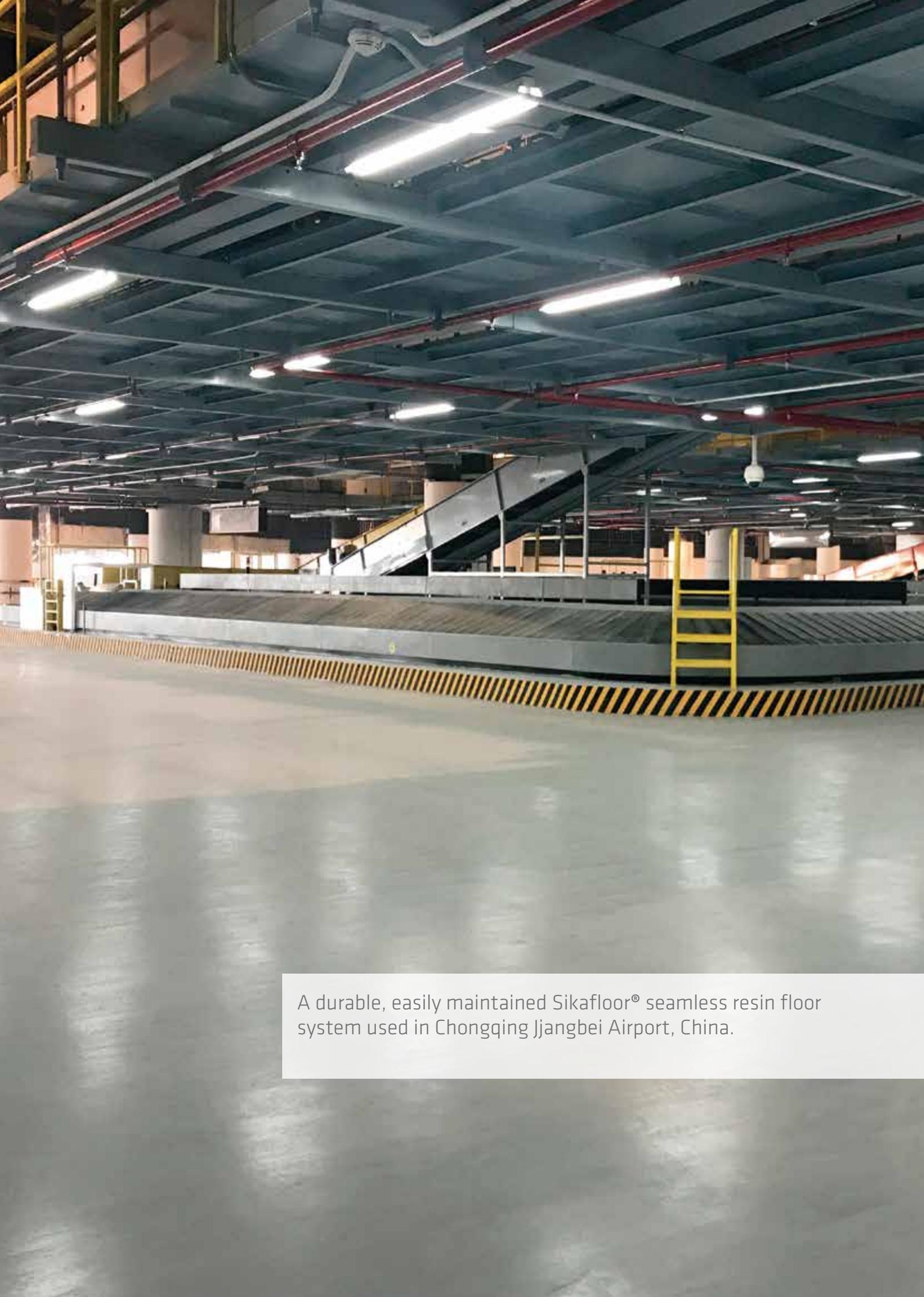
SikaCor®, Sika Permacor®, and Sikagard® systems offer protection to steel and concrete structures, enhancing durability and life expectancy whilst Sika® Unitherm® fire protection coatings enhance safety.



Sika® ComfortFloor® used extensively in the major refurbishment of Trieste Airport, Italy.



Sika Sarnafil® single ply roofing membrane on the main terminal building at Hongkong International Airport.



A durable, easily maintained Sikafloor® seamless resin floor system used in Chongqing Jjangbei Airport, China.

# BAGGAGE HANDLING, CARGO AND BACK OF HOUSE AREAS

## WATERPROOFING

Often housed in basements, baggage handling areas and the equipment contained within them need effective protection from water ingress.

## FLOOR COATINGS

Durable Sikafloor® coatings offer improved performance of operations, ease of cleaning and low maintenance. In public areas Sikafloor® seamless floors can enhance the passenger experience through aesthetics as well as comfort under foot.

## FLOOR JOINT SEALANTS

A floor, like most elements of a building should be viewed as a system. Sika offer a complete solution including Sikaflex® floor joint sealants and Sikafloor® movement joint systems.

## HYGIENE COATINGS

Using Sikagard® technology provides durable solutions for food preparation areas, medical facilities and refuse areas.



Sikafloor® decorative resin system providing an attractive, durable seamless floor.



Durability, ease of cleaning and wayfinding provided by Sikafloor® in a cargo handling facility.



Emirates maintenance facility at Dubai International Airport.  
Sikafloor® and Sika® Unitherm® fire protection.

# HANGARS AND MAINTENANCE BUILDINGS

## FLOOR COATINGS

Durability, long service life, minimising dust and ease of cleaning are just some of the benefits of a Sikafloor® resin floor system incorporating Sikaflex® joint sealing and Sika® FloorJoint systems.

## ROOF WATERPROOFING AND FACADE SEALING

A watertight envelope, improved internal environment and reduced running costs are provided by selecting the right solutions for the project. The extent of the Sika range enables us to offer that integrated, compatible solution.

## FIRE PROTECTION

Sika® Unitherm® offers improved performance and cost effectiveness over alternative products on the market.



A stunning durable floor using a Sikafloor® resin system and joint sealants – Rizon Jet hangar, Biggin Hill, UK.



Sikafloor® car park coating systems enhancing the passenger experience whilst protecting the asset; a car park in the Netherlands.

# CAR PARK AND PASSENGER TRANSPORT

## CAR PARK COATINGS

Car parks are an essential asset and a significant revenue stream for an airport. Sikafloor® coatings clearly improve aesthetics and wayfinding in a car park. However, perhaps their most important function is protection of the concrete structure; the asset. Sika's success in this area is based on producing a wide range of technologies, enabling the right choice for the project, both new build and refurbishment.

## GROUTS

Sika produce a range of high performance grouts for void filling and structural support.

## FIRE PROTECTION

Sika technologies provide additional safety and protection of the asset.

## JOINT SEALING

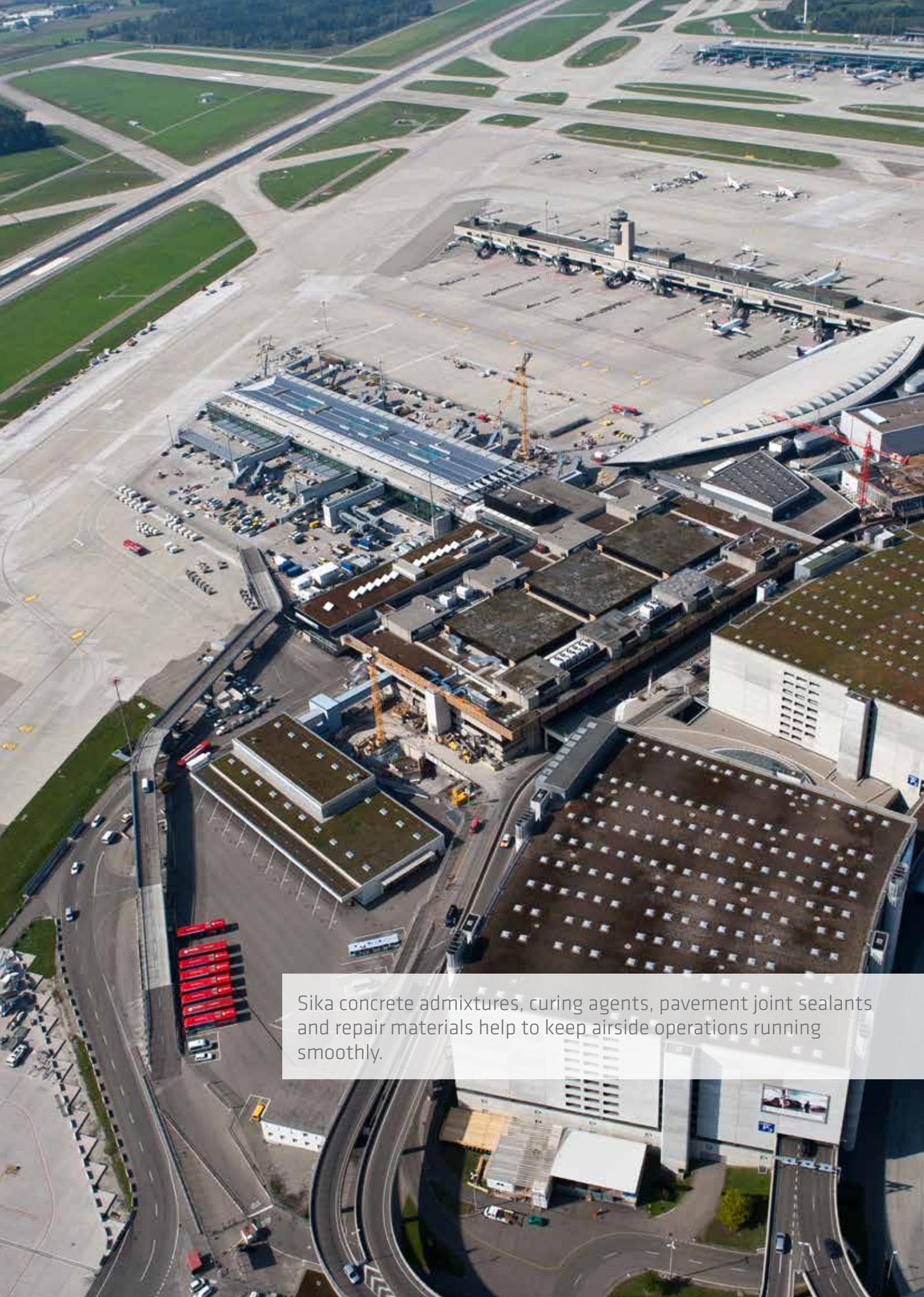
Joint sealants and movement joint systems form an integral part of a car park flooring system. Sika can offer a complete system solution.



Sikafloor® car park systems enhancing the passenger experience and protecting the structure of the car park.



Sikafloor® and Sika® Emseal movement joints working together as a complete system.



Sika concrete admixtures, curing agents, pavement joint sealants and repair materials help to keep airside operations running smoothly.

# AIRSIDE APRONS, TAXI-WAYS, AIRCRAFT STANDS, ATC

## CONCRETE ADMIXTURES AND CURING AGENTS

Sika admixtures improve the plastic and hardened properties of concrete. Improved performance and durability as well as mix design optimisation are achieved with the right admixture selection.

High quality, spray applied curing agents further improve the performance and durability of concrete pavements and floors.

## JOINT SEALANTS

Failed pavement joints are a constant issue in busy airports, leading to expensive maintenance of both the joint and the concrete. Sikaflex® pavement sealants provide improved joint performance leading to less disruption and lower running costs.

## CONCRETE REPAIR MATERIALS

Localised concrete repairs can be carried out using Sika products such as Sika Rapid Repair Mortar ensuring a fast return to service and minimal disruption.

## AIR TRAFFIC CONTROL TOWER

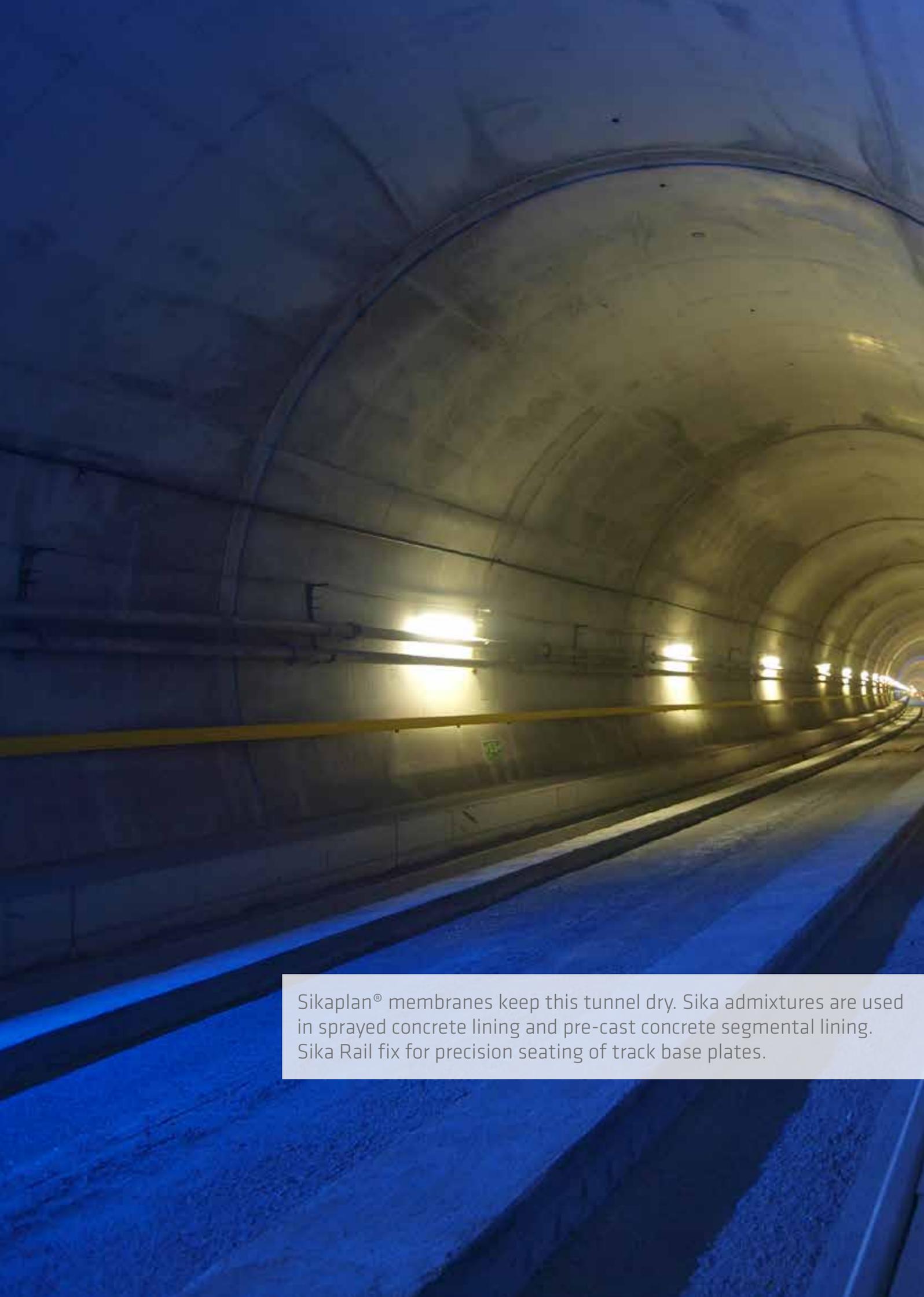
This is another structure which can benefit from the Sika basement to roof concept. Below ground waterproofing, roofing, facade and glazing sealing, flooring, concrete and steel protection are all part of the Sika offer.



Sika high performance joint sealants and concrete repair materials at Zurich Airport.



From basement to roof, Sika solutions protect the building envelope and enhance the internal environment.



Sikaplan® membranes keep this tunnel dry. Sika admixtures are used in sprayed concrete lining and pre-cast concrete segmental lining. Sika Rail fix for precision seating of track base plates.

# INFRASTRUCTURE

## ROADS AND TUNNELS

Sika probably have more experience globally than any other company in waterproofing tunnels as well as providing admixtures for precast and sprayed concrete.

In addition we produce a range of protective coatings and impregnation materials for roads and bridges, leading to enhanced service life of structures.

## FUEL FARMS, SEWAGE TREATMENT AND CLEAN WATER

From concrete and waterproofing to protective and fuel resistant coatings for structures and bund areas; Sika has a solution to the variety of challenges posed by the parts of an airport that provide the vital infrastructure and keep the facility working.



Sika provide solutions for waterproofing and protection for sewage treatment works, fuel farms and the variety of facilities present within an airport.



Fuel pumping station – Sikagard® protective coatings.

# GLOBAL BUT LOCAL PARTNERSHIP



## FOR MORE INFORMATION:



### WE ARE SIKA

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 the motor vehicle industry. Sika's product lines feature concrete admixtures, mortars, sealants and adhesives, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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