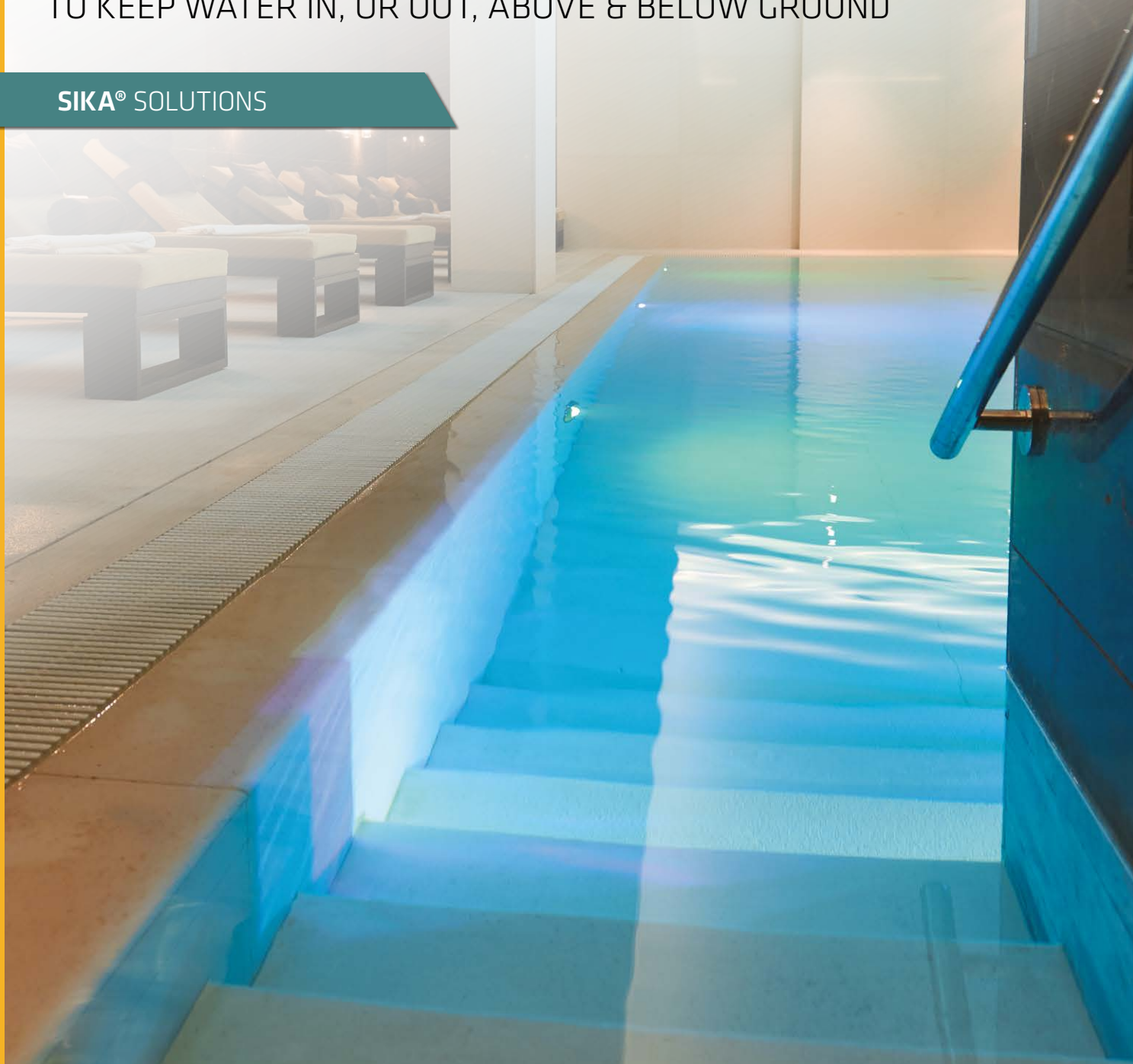


BEYOND WATERPROOFING WITH **SIKA®-1**

INNOVATIVE & SUSTAINABLE PRE-BAGGED SYSTEMS
TO KEEP WATER IN, OR OUT, ABOVE & BELOW GROUND

SIKA® SOLUTIONS



BUILDING TRUST



INNOVATIVE & SUSTAINABLE SOLUTIONS FOR SUPERIOR STRUCTURE PROTECTION

As the leaders in waterproofing, our solutions have been used to keep water in, or out of, new build, repair and refurbishment projects worldwide – protecting the built environment from expensive and often irreversible water damage.

Sika®-1 Pre-Bagged Waterproofing Solutions utilise the latest technical innovations to provide superior waterproofing that's capable of meeting even the most challenging requirements.

Our pre-mixed screed and render systems can be applied to walls and floors, above or below ground, and the range is led by our innovative Low Cement (LC) spray-applied formulation – a sustainable solution that delivers high performance and faster, easier application over large areas.

Suitable for virtually any application, our pre-bagged waterproofing solutions provide an effective watertight seal for projects large and small, above and below ground.

Sika®-1 is available in 6 grades of watertight renders and screeds that all contain our waterproofing admixtures, to ensure your structure is not just waterproof, but future-proof.

KEEP WATER OUT OF:

- Basements
- Car parking
- Underground stations
- Subways
- Pavement vaults
- Cellars
- Tunnels

KEEP WATER IN:

- Reservoirs
- Waste water treatment plants
- Containment bunds
- Swimming pools
- Ponds

AVAILABLE IN
PRE-BAGGED
LOW CEMENT
FORMULAS

FROM THE WORLD-LEADERS IN WATERPROOFING

SIKA®-1 LC PIONEERING WATER INGRESS PROTECTION

SIKA®-1 LC SUSTAINABLE SOLUTIONS

Our Sika®-1 Pre-bag LC Render Mortar delivers significantly reduced carbon footprints, and is formulated to be easier to apply over larger areas.

Sika®-1 Pre-bag LC Render Mortar provides a more sustainable solution for new build, repair and refurbishment projects.

Sika®-1 LC formulations contain a blend of special kiln dried aggregates, cements, cement replacement materials, and waterproofing admixtures, to deliver a significantly reduced carbon footprint. Pre-bagged and premixed, they're easy to use, just add water for a simple, sustainable waterproofing solution.

OUR SPRAY/PUMP APPLIED RANGE

Our pre-bagged, low cement products are formulated to be easier to apply by a render pump, providing a faster and simpler installation.

Available in:

- Sika®-1 Pre-bag LC Render Mortar



BENEFITS

- Low Cement (LC) formulation
- Designed for optimum application performance (pump or spray)
- Faster application
- Maintenance free
- Bonds to the substrate
- Hard-wearing surface
- Type A waterproofing system according to BS 8102:2022
- Proven resistance to hydrostatic back pressure
- Fully bonded waterproofing barrier

SIKA®-1
LC RENDER
CONTAINS
**80% LESS
CEMENT**

WHERE INNOVATION MEETS SUSTAINABILITY

SIKA®-1 PRE-BAGGED SYSTEM

SIKA®-1

Sika®-1 pre-bagged waterproofing solutions consist of render systems for use on walls and overhead surfaces, and screed systems for use on the floor.

100 years of experience and expertise

Sika®-1 has been protecting the built environment from water infiltration since 1910, when it was used to waterproof the gothard tunnel between northern and southern europe.

Today, our pre-bagged solutions contain innovative cementing materials (scms) and waterproofing admixtures for improved durability – ensuring your structure is not just waterproof, but future-proof.

OUR HAND-APPLIED RANGE

Our pre-bagged range for traditional application is packaged in 4 grades, each specifically designed for optimum application performance and durability.

Available in:

- Sika®-1 Pre-bag Spritz Mortar
- Sika®-1 Pre-bag Screed Mortar
- Sika®-1 Pre-bag Render Mortar
- Sika®-1 Pre-bag Finishing Mortar

BENEFITS

- Maintenance free
- Designed for optimum application performance
- Withstand high water pressures
- Bonds to the substrate
- Hard-wearing surface
- Follow contours of structures
- Can achieve Grades 1-3, BS 8102:2022
- Suitable for high water table: BS 8102:2022
- Guaranteed, when installed by a registered contractor.



SIKA®-1 LC

DELIVERED A DURABLE WATERPROOFING SYSTEM AND TIME-SAVING BENEFITS FINSBURY DIALS, LONDON

Problem

20 Finsbury Dials in London's Financial District was a large-scale sustainable refurbishment project that needed a high-performance waterproofing system and a low carbon solution. There was a requirement to minimise use of a cavity drain systems to reduce maintenance, and there were live leaks and high water pressure in the basement.

Solution

The Sika®-1 Pre-Bag Low Cement Render System provided fast application, sustainability and effectiveness in controlling water ingress. As a Type-A waterproofing system (BS8102: 2022), it provides quicker installation, strong adhesion and reduced permeability.

At Finsbury Dials, 1,500 m² of Sika®-1 Pre-Bag LC Render was applied to retaining walls, with Sikadur-Combiflex® SG System sealing construction joints. Extensive substrate preparation ensured optimal application.

1,500 M²
APPLIED TO
RETAINING
WALLS

SUSTAINABLE DEVELOPMENTS WITH Sika®-1 LC



DELIVERING INFRASTRUCTURE SECURITY WITH **SIKA®-1** IN A MULTI-MILLION POUND **LONDON BRIDGE UPGRADE**

Problem

Safeguarding vital plant equipment beneath London Bridge, crucial for the station's operation and serving 56 million passengers yearly, demanded a top-tier waterproofing solution amid a multi-million pound refurbishment.

Solution

Sika®-1 Pre-Bagged Waterproofing System excels in the refurbishment of London Bridge station, offering critical protection to essential plant equipment stored beneath. A high-caliber waterproofing solution was paramount to ensure resilience against ingress and damp, securing the station's vital functions.

OVER 3,000 M²
COVERAGE

FUTURE-PROOF STRUCTURES WITH **SIKA®-1**



SIKA®-1 LOW CEMENT (LC) PRE-BAGGED STRUCTURAL WATERPROOFING HOW IT WORKS

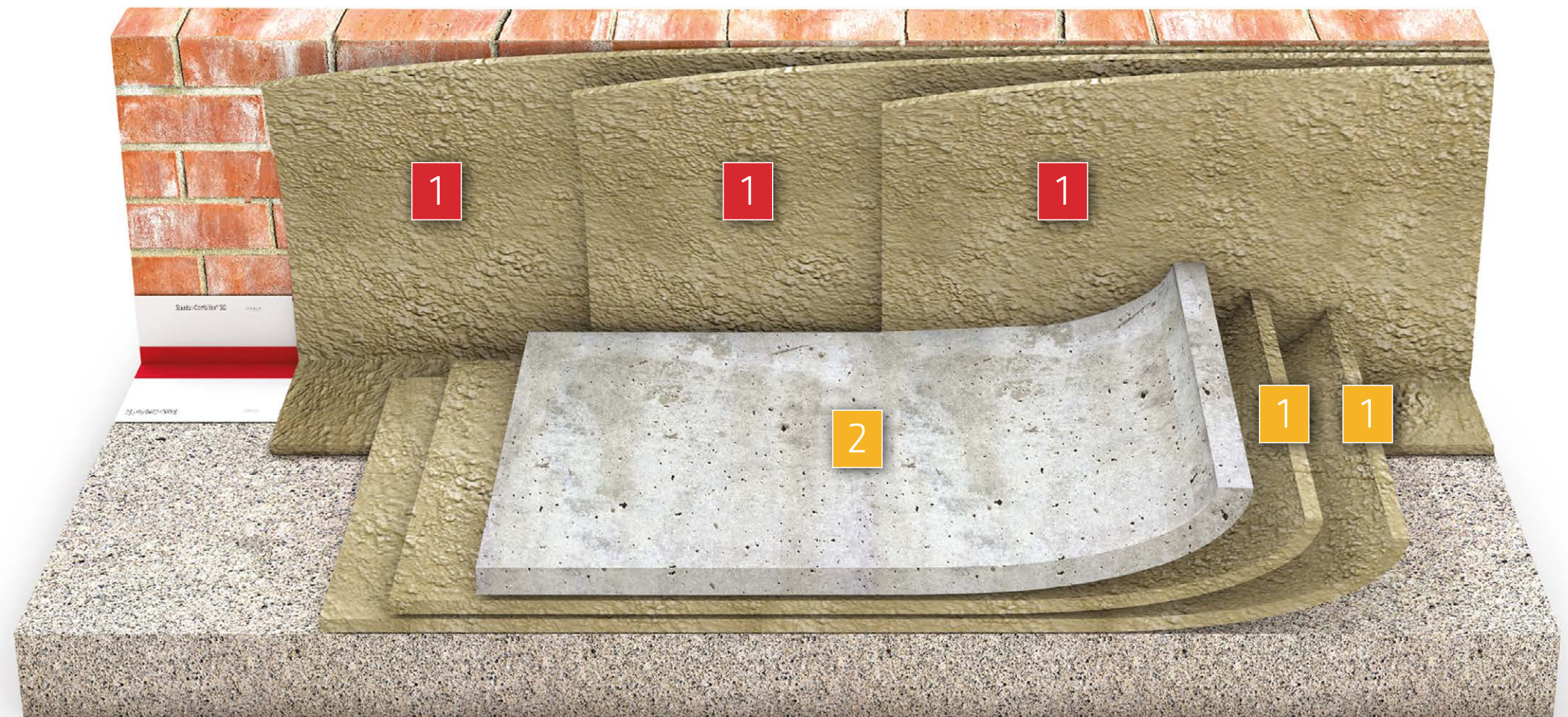
Sika®-1 LC pre-bagged waterproofing system consists of a single bag render system for use on walls and overhead surfaces, and a single bag screed for floors.

Sika®-1 Pre-bag LC Render Mortar is a pre-bagged, kiln dried blend of aggregates, cements, cement replacement materials with waterproofing admixtures. Packed as a single product system and formulated to achieve a high performance, durable and sustainable 3-coat render system.

The formulation is optimised for spray applied applications.

OUR GUARANTEES ARE WATERTIGHT...

Our products are guaranteed when installed by a registered contractor.



Sika®-1 LC Render

1 Sika®-1 Pre-bag
LC Render Mortar



Sika®-1 Screed, 3-Coat System

1 Sika®-1 Pre-bag
Spritz Mortar



2 Sika®-1 Pre-bag
Screed Mortar



SIKA®-1

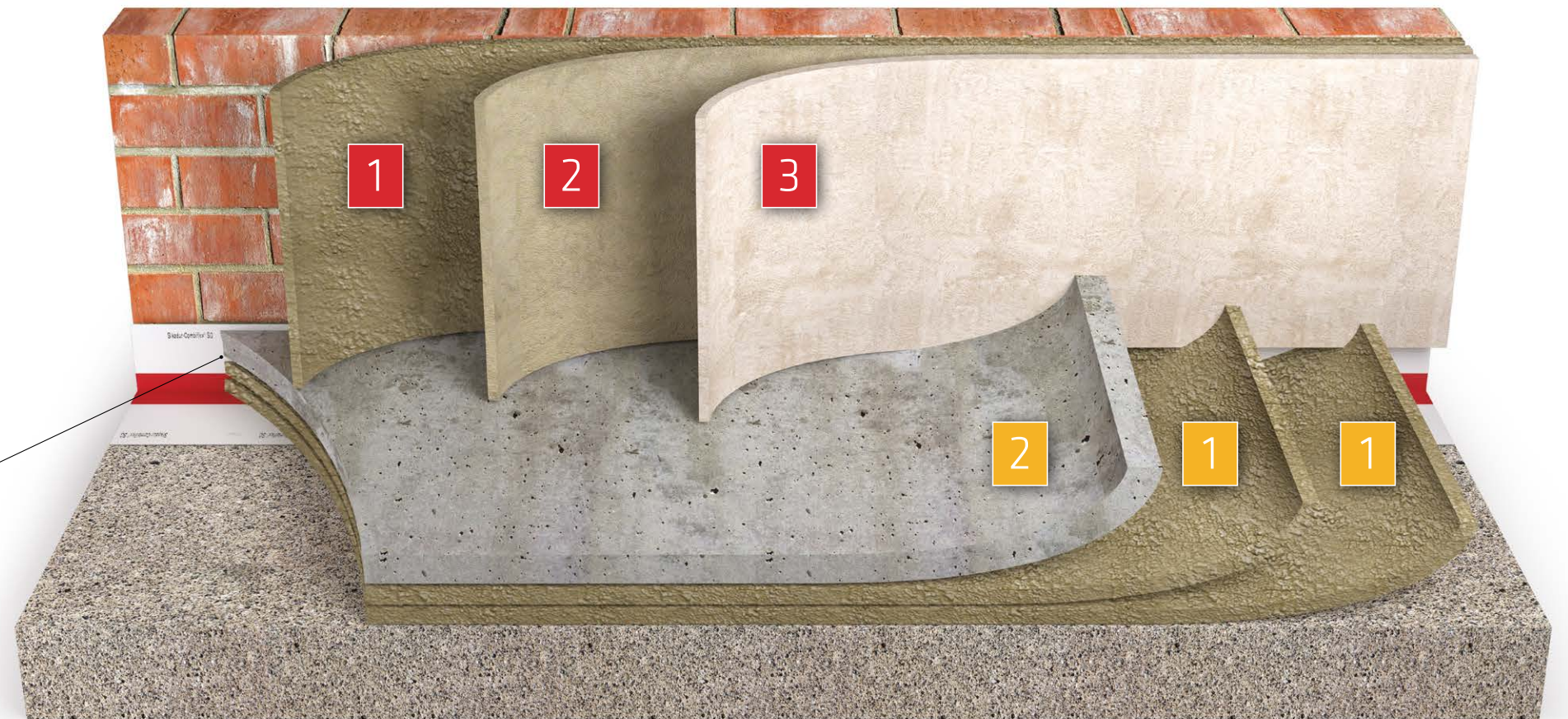
PRE-BAGGED STRUCTURAL WATERPROOFING SYSTEM

HOW IT WORKS

Sika®-1 pre-bagged waterproofing system consists of a hand applied render system for use on walls and overhead surfaces, and a screed system for use on the floor.

The system mortars are pre-bagged in 4 grades at the appropriate mix ratios for optimum application, performance and durability.

Sikadur® Combiflex®
for joint protection



FOR A
SUSTAINABLE
SOLUTION
USE **SIKA®-1
LC RENDER**
SEE P10

Sika®-1 Screed, 3-Coat System

1 Sika®-1 Pre-bag
Spritz Mortar



2 Sika®-1 Pre-bag
Screed Mortar



Sika®-1 Render, 3-Coat System

1 Sika®-1 Pre-bag
Spritz Mortar



2 Sika®-1 Pre-bag
Render Mortar



3 Sika®-1 Pre-bag
Finishing Mortar



COMPLEMENTARY WATERPROOFING PRODUCTS

The Sika®-1 Pre-Bagged Waterproofing Solutions can be combined with a range of complementary products for a comprehensive watertight solution.



Sikalastic®-1K Flexible Fibre Reinforced Mortar

[Sikalastic®-1K GB | Waterproofing](#)



Applications:

Waterproofing and protecting concrete (BS EN 1504-9), tanks, basins, pipes, internal walls/floors and reinforced concrete from de-icing salts, freeze-thaw and CO₂.

- Applies to damp surfaces
- Resists sagging; easy to use
- Bridges cracks effectively
- Adjustable mix for desired workability



Sika® Damp-proofing Slurry Cementitious Waterproof Coating

[Sika® Damp Proofing Slurry | Waterproofing](#)



Applications:

- Tanking basements, damp/ waterproofing internal and external structures, lining tanks, pools and planters.
- Low odour vs. bitumen
- Easy mix – just add water
- Resists water penetration
- Non-toxic



SikaTop®-586 Seal Waterproof Render & Fairing Coat

[SikaTop®-586 Seal | Drinking Water Supply Approved Products](#)



Applications:

- Water tanks & reservoirs
- Tunnels
- Basement & shower walls/floors
- External renders in harsh weather
- Blow hole/pore filler



SikaMur® InjectoCream-100 Water Repellent Cream for Rising Damp

[SikaMur® InjectoCream-100 | Waterproofing](#)



Applications:

Effective on most masonry walls: solid brick, cavity, random stone and rubble infill.

- Fast, easy installation
- No sealing around holes required
- No special pump needed
- No efflorescence risk (unlike silicate treatments)



Sika®-4a Rapid-Set Water Stopping Additive

[Sika®-4a | Waterproofing](#)



Applications:

- Tunnels, culverts, reservoirs, pipes, manholes, mine galleries and quick-setting mortar for anchors or bolts
- Rapid set for quick leak sealing or fixing
- Just add cement and clean water
- Chloride-free



SikaDur® Combiflex® SG System High-Performance Joint & Crack Sealing

[Sikadur Combiflex](#)



Applications:

- Basements, tunnels, tanks, retaining walls, culverts and concrete joints or cracks in various substrates (concrete, brick, steel)
- Adapts to complex details and construction timelines
- Allows simultaneous crack repairs
- Repairs accessible from inside or outside
- Visible application for easy quality control

THE BRITISH STANDARD BS 8102:2022 – ADDITIONAL CONSIDERATIONS

CODE OF PRACTICE FOR THE PROTECTION OF BELOW GROUND
STRUCTURES AGAINST WATER FROM THE GROUND.

Waterproofing of below ground structures and water-retaining structures can only be achieved by careful design, the right choice of waterproofing materials, and professional workmanship, with quality control on site.

The British Standard BS

The British Standard BS 8102:2022 describes different levels of watertightness required for the end use of a structure.

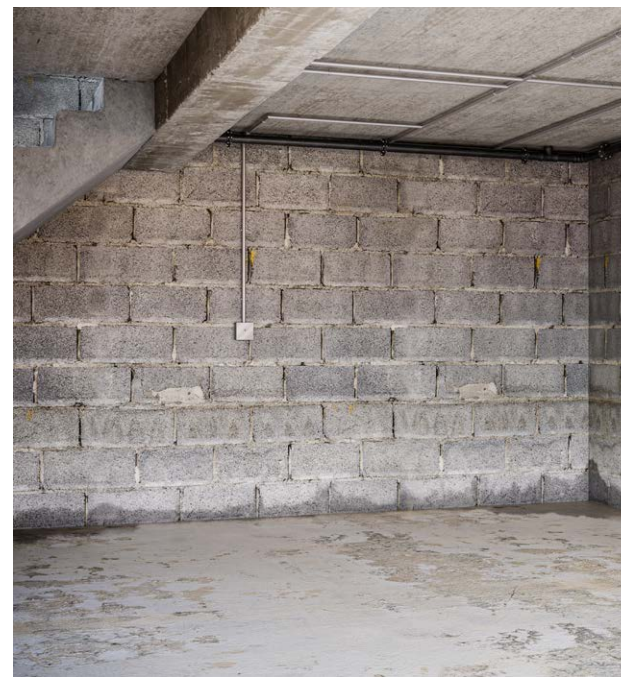
GRADE 1A



Seepage and damp areas are tolerable dependent on intended use.

- Car parking
- Plant rooms/Workshops
- EXCLUDING electrical equipment

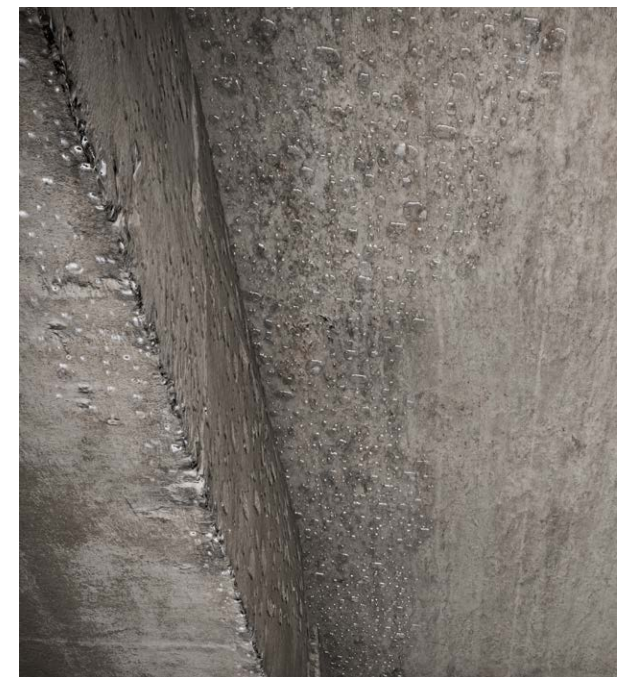
GRADE 1B



No seepage, damp areas are tolerable dependent on intended use.

- Car parking
- Plant rooms/Workshops
- EXCLUDING electrical equipment

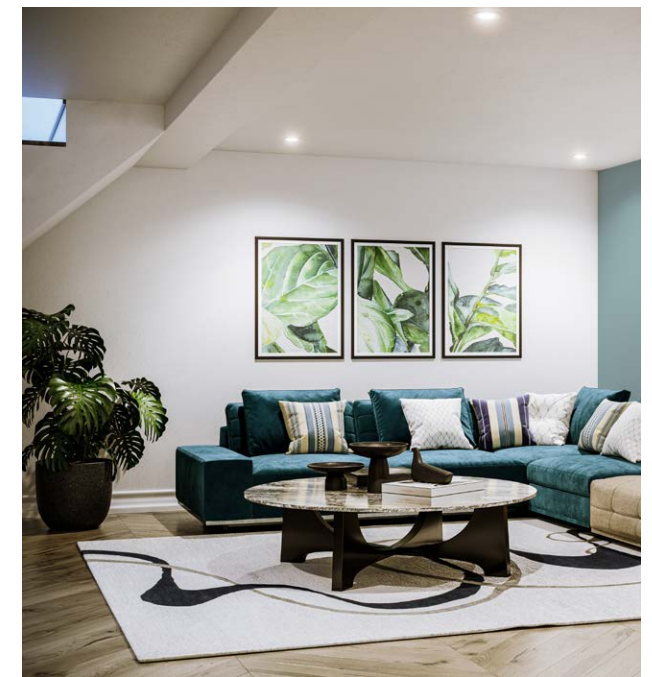
GRADE 2



No water penetration acceptable. Damp areas as a result of internal air moisture/condensation tolerable. Ventilation may be required.

- Retail storage areas
- Plant rooms/Workshops
- EXCLUDING electrical equipment

GRADE 3



No water penetration acceptable. Ventilation, dehumidification or air conditioning necessary appropriate to the intended use.

- Residential
- Commercial
- Archives

SYSTEM COMPATIBILITY

The Sika®-1 Pre-Bagged Waterproofing Solutions can be used in conjunction with a number of other waterproofing solutions to provide an integrated approach, one where different solutions are combined and used to their strengths to create a highly robust waterproofing strategy.

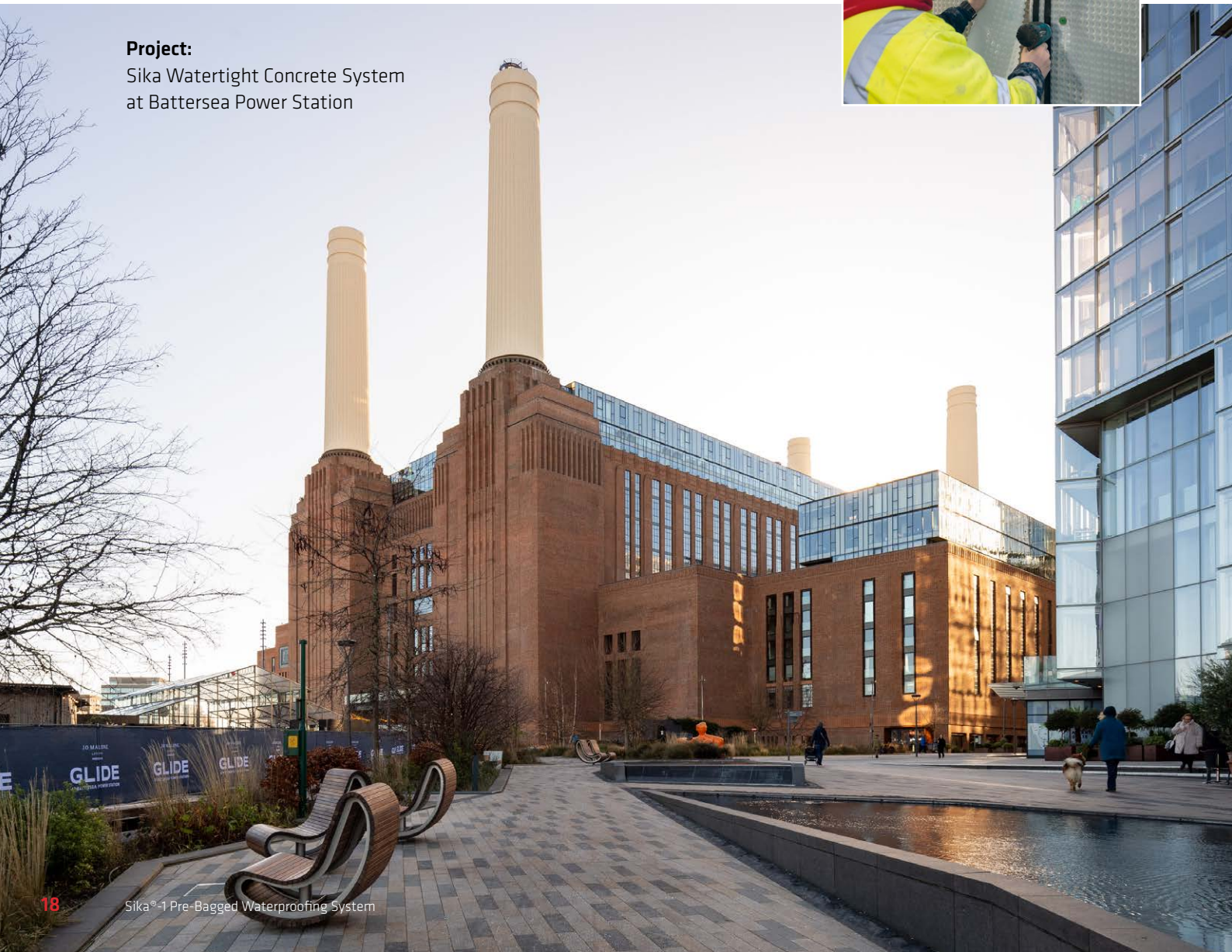
COMPATIBLE SYSTEMS INCLUDE:

- Sika® Watertight Concrete System
- Sika® Cavity Drainage System (Type C system)

Sika cavity drainage system installation



Project:
Sika Watertight Concrete System
at Battersea Power Station



THE SIKA REGISTERED WATERPROOFING CONTRACTOR SCHEME

Designed to raise standards across the sector, this scheme offers total quality control from product to service and installation, granting clients complete peace of mind with a wholly professional service nationwide.

The need to reduce the risk of poor installations that lead to costly repair works or even irreparable damage – has given rise to this scheme. In order to qualify as a Sika Registered Waterproofing Contractor, installers have to complete the strict Sika application assessment. This includes demonstrating they have the correct documentation and paperwork in place including an appropriate health and safety policy, as well as an assessment involving site visits to carry out a detailed inspection and assessment of operatives.

THE BENEFITS OF USING A SIKA REGISTERED WATERPROOFING CONTRACTOR

- By choosing a Sika Registered Waterproofing Contractor, you can be sure of excellent standards of materials and workmanship.
- A Sika Registered Waterproofing Contractor will set your mind at ease, knowing that their operatives are fully trained and assessed.
- Waterproofing Contractors registered by Sika are assessed on a regular basis to ensure that they are competent and capable of meeting the relevant technical and safety standards, codes of practice and rules of the Schemes they are registered to.
- The Sika Registered Waterproofing Contractor Scheme is also very innovative, and those taking part are quick to develop the best new methods and practices to assure the highest quality services at all times.



OUR RANGE OF SIKA SOLUTIONS FOR CONSTRUCTION

Our solutions have been used on new build, repair and refurbishment projects worldwide.

Whether used alone, or as part of an integrated/ compatible system, all of the solutions in our range provide superior protection, so whatever your project, it will be fit for the future.

All our products are guaranteed.

You can see our full range of products at:
sikawaterproofing.co.uk

OUR GUARANTEES ARE WATERTIGHT

OUR SOLUTIONS INCLUDE:

- Joint sealing
- Structural strengthening
- Waterproofing
- Flooring
- Single ply roofing
- Bituminous roofing
- Liquid applied roofing
- Concrete
- Concrete repair
- Industry
- Facade structural
- Distribution
- Modular building
- Building finishing



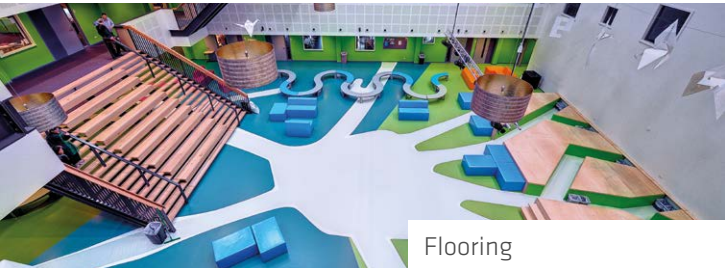
Joint sealing



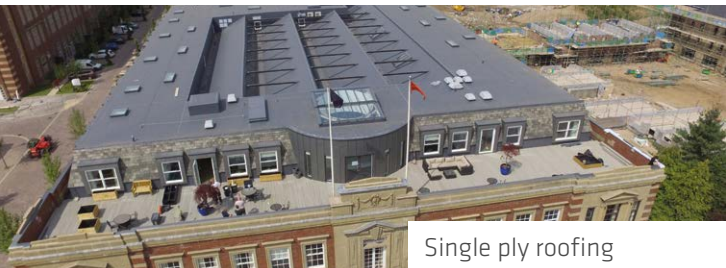
Structural strengthening



Waterproofing



Flooring



Single ply roofing



Bituminous roofing



Liquid applied roofing



Concrete



Concrete repair



Industry



Facades



Building finishing



Modular building



Distribution

SUPPORTING ACROSS INDUSTRY SECTORS:

Commercial buildings



Industrial buildings



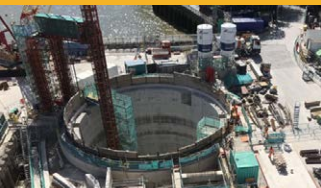
Residential buildings



Institutional buildings



Energy & utilities



Infrastructure



FOR MORE INFORMATION:



Visit **sikawaterproofing.co.uk**

WHO WE ARE

Sika Limited and Sika Ireland Limited are part of the global Sika Group, specialising in the manufacture and supply of chemical based products. Sika has a global leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing, and protection in the building sector and motor vehicle industry. Sika has subsidiaries in 102 countries around the world and, in over 400 factories, produces innovative technologies for customers worldwide. In doing so, it plays a crucial role in enabling the transformation of the construction and vehicle industries toward greater environmental compatibility. With more than 34,000 employees, the company generated sales of CHF 11.76 billion (£10.35 bn) in 2024.

In the UK and Ireland, we provide market-leading solutions for building finishing, concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, Leeds, Wishaw, Redditch, Goole and Dublin with more than 1000 employees and a turnover of more than £390 million.

The information, and, in particular, the recommendations relating to the application and end use of Sika® products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. Please refer to our homepage **sika.co.uk** for our current standard terms & conditions applicable to all orders. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



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