



REFURBISHMENT WATER TREATMENT INFRASTRUCTURE REPAIR SOLUTIONS

SUSTAINABLE SOLUTIONS DESIGNED TO REPAIR AND
PROLONG THE LIFE OF STRUCTURES

#SikaRefurbishment
#SikaConcreteRepair

BUILDING TRUST



WATER TREATMENT INFRASTRUCTURE REPAIR SOLUTIONS

Sika's concrete refurbishment solutions for reinforced concrete can be applied to many different areas within a waste water treatment plant. Over time chemical, mechanical and environmental factors play a part in the deterioration of reinforced concrete causing spalling, cracking, concrete break out etc. Our solutions are designed to not only repair the damage but prolong the life of structures which a simple patch repair can not provide. The Total Corrosion Management options we have available can control the corrosion of the steel rebar within and protect it from further corrosion leaving to further concrete deterioration.

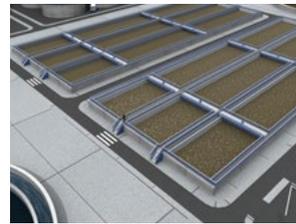
REPAIRS ON CONCRETE STRUCTURES WITHIN WATER TREATMENT PLANTS



PRIMARY SEDIMENTATION
TANKS



SCREENING CHANNELS



BIOLOGICAL TANKS



TECHNICAL SERVICES
BUILDING



GASOMETER TANKS



DIGESTIONS TANKS



FILTRATION BEDS

A COMPLETE RANGE OF CONCRETE REPAIR PRODUCTS APPROVED FOR CONTACT WITH POTABLE WATER AND CE MARKED:

- Pre-bagged range of Gunitite products to fit your project needs
- Crack repair solutions for structural and active water leaking cracks
- A selection of products to control the corrosion of reinforced concrete

WATER TREATMENT INFRASTRUCTURE REPAIR

THE ULTIMATE WASTEWATER WORKS REPAIR SOLUTION

Sika® MonoTop®-4400 MIC is an easy-apply cementitious repair system which is proven to resist severe biogenic corrosion prevalent in wastewater assets.



CONTAINS 100% CALCIUM ALUMINATE CHEMISTRY TO INHIBIT ACID GENERATION



A RAPID-SETTING, COST-EFFECTIVE ALTERNATIVE TO INFRASTRUCTURAL REPAIR STRATEGIES



PROVIDES STRUCTURAL REHABILITATION WITHIN A FEW HOURS

COMBATING HYDROGEN SULFIDE CORROSION

Sika® MonoTop®-4400 MIC is the only total calcium aluminate mortar capable of withstanding the long-term corrosive conditions prevalent in wastewater infrastructures such as sewer pipes, manholes and water treatments.

THE APPLICATION

Sika® MonoTop®-4400 MIC contains 100% calcium aluminate chemistry, vital ingredient which induces a 'bacterio-static effect' to inhibit acid generation - in concrete, steel and cast iron - at source.

Sika® MonoTop®-4400 MIC offers a fast-setting, cost-effective alternative to infrastructural repair strategies treated with acid resistant materials such as organic resin and fibre-glass inserts which continue to allow acidophilic bacteria to

breed and grow. It also provides rock-solid structural rehabilitation within a few hours to help minimise closure times of the wastewater system it's applied to.

SOLUTION FOR CORROSION IN SEWERS



Pipes



Chambers



Tanks



Manholes

SIKA AT WORK

Sika® MonoTop® 4400MIC ENSURES WASTEWATER WORKS CONTINUE TO FLOW IN NORTH EAST PLANT SERVING MILLIONS OF PEOPLE.

An upgrade at the plant looking at sewer pipes, chambers and tanks required the application of a proven corrosion management system to improve long-term performance and structural integrity. MonoTop® 4400MIC's rapid-apply qualities, coupled with its supreme curing time, meant specialist contractors completed the project in three days, with the plant remaining fully operational at all times.



SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:



LIQUID APPLIED ROOFING



SINGLE PLY ROOFING



CONCRETE



CONCRETE REPAIR



STRUCTURAL STRENGTHENING



WATERPROOFING



JOINT SEALING



FAÇADE STRUCTURAL ADHESIVES



FLOORING



INDUSTRY



DISTRIBUTION



BUILDING TRUST

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 have 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 has subsidiaries in 100 countries around the world and manufactures in over 200 factories. With more than 18,000 employees Sika generates annual sales of CHF 6.25 billion (£4.76bn). We are also committed to providing quality, service, safety and environmental care.

In the UK and Ireland, we provide market-leading solutions for concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, Leeds and Dublin with more than 865 employees and a turnover of more than £240 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 www.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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