



WATER MANAGEMENT DRINKING AND WASTEWATER FACILITIES

SELECTION GUIDE

OVERVIEW

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Potable Water Plant, Reservoir, Desalination Plant, Water Tower

- Construction
- Joint sealant and waterproofing
- Surface waterproofing and protection
- Flooring and roofing for facility buildings
- Sealant for bolted drinking water storage tanks

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Sewers, Manholes, Ironwork

- Construction
- Surface protection
- Concrete repair
- Bedding Mortars

3

Wastewater Treatment Plant

- Construction
- Joint sealant and waterproofing
- Surface waterproofing and protection
- Flooring and roofing for facility buildings
- Sealant for bolted wastewater and sewage treatment tanks

PRODUCT OFFERINGS

Product Group	Product/s	Sika® Solution	Drinking Water Plant / Reservoir	Sewer and Manhole	Wastewater Treatment Plant
Admixtures	Waterproofing admixture	Sika® WT 200 P			
Concrete Repair	Rebar protection	Sika MonoTop®-1010, SikaTop® Armatex®-110 EpoCem			
	Patch repair	Sika MonoTop®-4012, Sika MonoTop®-615			
	Grouting	SikaGrout®-800, SikaGrout®-510 CS High Flow			
Protective Mortars	Moisture barrier and protection	Sikagard®-720 EpoCem®			
	Calcium aluminate cement	Sika MonoTop®-4400 MIC			
	Reprofiling and levelling mortar	Sika MonoTop®-3020			
	Hydraulic and mechanical abrasion	Sika MonoTop®-3400 Abraroc			
Waterproofing Mortars	Dual component WP mortar	SikaTop® 588 Seal			
	Single component WP mortar	SikaTop® 581 Seal			
	Fairing coat to mid-build waterproofing mortar	SikaTop® 586 Seal			
Multi-Layer Epoxy Resin	Protective coating	Sikagard®-62 / Sikagard®-63 N			
	Digester coating	Sikagard®-7000 CR			
Hot-Spray Membrane	Drinking water LAM	Sikalastic®-836 DW			
	Digester coating	Sikalastic®-8440			
	Chemical resistant coating	Sikalastic® M 689			
Joint Waterproofing	Waterstops	Sika Waterbar® PVC, SikaSwell® A & S2			
	Joint tapes	Sikadur®-Combiflex-930 and Sikadur®-Combiflex-933			
Sealant	Concrete joint sealant	Sikaflex® PRO-3 Purform®			
	Fast cure concrete joint sealant	Sikaflex®-423 PowerCure			
	Drinking water and tank sealant	Sikasil® DW			
	Concrete joint and tank sealant	Sikaflex®-403 Tank & Silo			
Anchoring	Chemical anchoring	Sika AnchorFix®-3030, Sika AnchorFix®-2+			
Outer Tank Waterproofing	Sheet membranes	SikaProof®			
Repair Injection	PU flexible injection	Sika® Injection-201 CE / Sika® Injection-101 RC			

PERFORMANCE TABLE FOR PROTECTIVE COATINGS IN CONTACT WITH DRINKING WATER

Exposure	Crystalline	Waterproofing Mortars		Multi-Layer Resins	Hot-Spray Membranes	Sheet Membranes
	Sika® WT-200 P	SikaTop® 581 Seal	SikaTop® 588 Seal	Sikagard®-62	Sikalastic®-840 ES / Sikalastic®-836 DW	Sikaplan® WT-4220
Substrate humidity	N/A	Moist	Moist	Dry*	Dry*	Wet
Crack bridging ability	No	No	> 0.5 mm	No	High	Very high
Resistance to soft water	Low	Low	High	High	High	High
Application thickness	N/A	> 2 mm	> 2 mm	~0.2 mm per layer	1.5 – 2 mm	1.5 mm

* If substrate moisture content is >4%, temporary moisture barrier Sika® EpoCem® is required

PERFORMANCE TABLE FOR PROTECTIVE COATINGS IN CONTACT WITH WASTE WATER

Exposure	WP Mortars	Protective Mortars		Multi-Layer Resins			Hot-Spray Membranes	
	SikaTop® etc.	Sikagard®-720 EC	Sika MonoTop®-4400 MIC	SikaCor®-950 F	Sikagard®-62 / Sikagard®-63 N	Sikagard®-7000 CR	Sikalastic®-8440	Sikalastic®-M 689
Substrate humidity	Moist	Dry or Moist	Moist	Dry or Moist	Dry*	Visibly Dry	Dry*	Dry*
Crack bridging	0 to 0.5 mm	No	No	No	No	0 to 0.5mm	High	High
Waterproof	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Resistance to sulfates(SO ₄ ²⁺)	Limited	Medium	Very high	High	High	Very high	Very high	High
Resistance to biogenic sulfuric acid (H ₂ SO ₄)	No	Limited	Very high**	Limited	Medium	Very high	Very high	Limited
UV Resistance	Yes	Yes	Not relevant	Limited***	Limited***	Yes	Yes (Colour will change)	Yes (Colour will change)
Application thickness	> 2 mm	0.5 - 3 mm (> 2 mm as a TMB)	> 15 mm	Variable	Variable	Variable	1.5 – 2 mm	1.5 – 2 mm

* If substrate moisture content is >4%, a temporary moisture barrier (e.g. Sikagard®-720 EpoCem®) is required
** Prevents the transformation of H₂S into H₂SO₄. Not to be immersed in high acidic solution - no chemical protection
*** To avoid discoloration and chalking, depending on the chemistry, products like Sikafloor®-359 N, SikaCor® EG-5 can be applied on top for exposed areas

SELECTION TABLE FOR PROTECTIVE COATINGS IN CONTACT WITH WASTE WATER

Use	WP Mortars	Protective Mortars		Multi-Layer Resins			Hot-Spray Membranes	
	SikaTop® etc.	Sikagard®-720 EpoCem	Sika MonoTop®-4400 MIC	SikaCor®-950 F	Sikagard®-62 / Sikagard®-63 N	Sikagard®-7000 CR	Sikalastic®-8440	Sikalastic®-8800 / 8850
WWTP: Screening & Sedimentation Tanks (open)								
WWTP: Confined pits and elements								
WWTP: Anaerobic Digester / Biogas Tank		Suitable as underlayment						
Industrial Waste Tanks* & Effluent Treatment Plants		Suitable as underlayment		Actual composition to be reviewed	Actual composition to be reviewed	Actual composition to be reviewed	Actual composition to be reviewed	Actual composition to be reviewed

* For certain chemicals and for secondary containments, other coatings might be required

Approved application Possible application Not recommended

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WATER MANAGEMENT
DRINKING AND WASTEWATER FACILITIES

Approved application Possible application Not recommended

WATER MANAGEMENT
DRINKING AND WASTEWATER FACILITIES

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SIKA FULL RANGE SOLUTIONS:



LIQUID APPLIED
ROOFING



SINGLE PLY ROOFING



BITUMINOUS ROOFING



CONCRETE



CONCRETE REPAIR



STRUCTURAL
STRENGTHENING



BUILDING FINISHING



WATERPROOFING



JOINT SEALING



FAÇADES



FLOORING



INDUSTRY



DISTRIBUTION



MODULAR/OFFSITE

FOR MORE INFORMATION ON WATER INDUSTRY SOLUTIONS:



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, and Dublin

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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