

# Sikalastic® HIGH-PERFORMANCE POLYUREA MEMBRANES

FOR INFRASTRUCTURE AND INDUSTRIAL APPLICATIONS

# Sikalastic® POLYUREA

## INTRODUCTION

### HIGH PERFORMANCE POLYUREA MEMBRANES FOR INFRASTRUCTURE AND INDUSTRIAL APPLICATIONS

When it comes to waterproofing and protecting vital infrastructure or industrial facilities, performance matters.

Sikalastic® polyurea membranes are engineered for the toughest conditions, delivering fast, durable, and flexible solutions for a wide range of industrial and infrastructure needs.

Polyurea membranes cure quickly, forming a seamless, flexible, and elastic layer that allows for rapid return to service while offering exceptional resistance to temperature fluctuations, mechanical stress, and chemical exposure. Their strong adhesion to nearly any surface—including complex or vertical structures—ensures consistent, three-dimensional waterproofing.

Each Sikalastic® formulation is tailored to the specific requirements of its application, ensuring the highest standards of protection and longevity.

Industrial and infrastructure applications of polyurea membranes involve far more demanding environments than weather exposure and UV radiation.

Industrial settings are subjected to continuous mechanical stress, heavy wear, and direct contact with aggressive chemicals such as acids, fuels, and solvents.

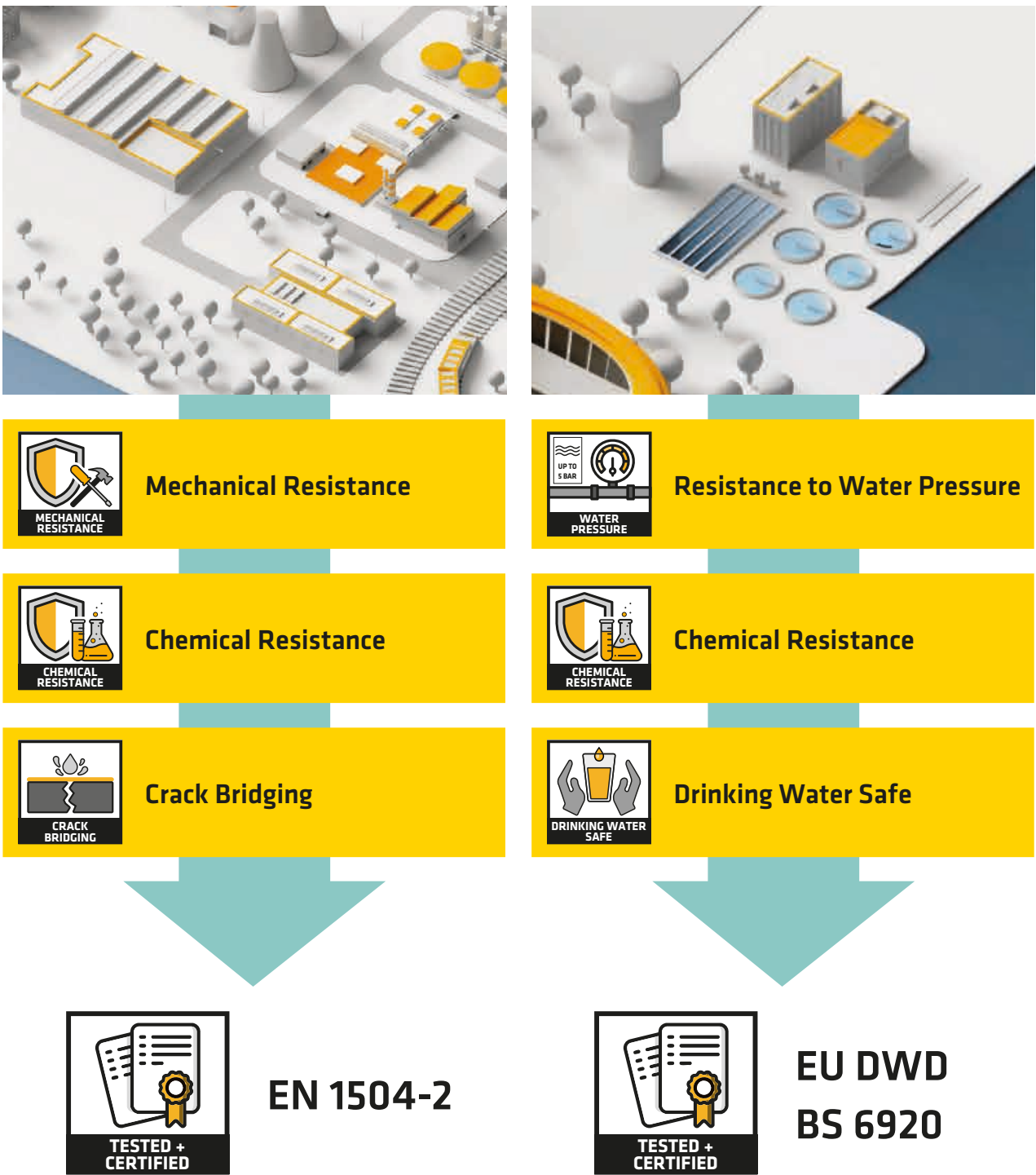
Infrastructure elements like bridges, tunnels, pipelines, and wastewater tanks also experience dynamic loads, abrasion, and in some cases, full water immersion.

These environments demand polyurea systems with superior chemical resistance, high tensile and tear strength, and the ability to maintain integrity under thermal cycling and structural movement. Additionally, compliance with industry-specific standards (e.g., potable water safety, chemical containment regulations) is often required.

As a result, the formulation, application method, and performance criteria for polyurea in industrial and infrastructure contexts are significantly rigorous and functionally specific.

**Discover the versatility and performance of Sikalastic® polyurea membranes – engineered to protect and built to last.**

### HARSH ENVIRONMENTS REQUIRE POLYUREA MEMBRANES TO UNDERGO RIGOROUS TESTS THAT PROVE THEIR PERFORMANCE AND DURABILITY





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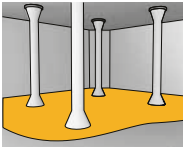
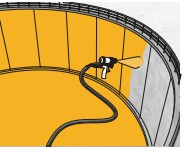

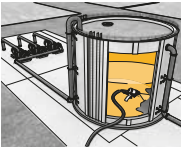




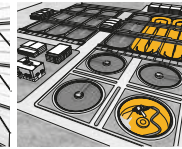

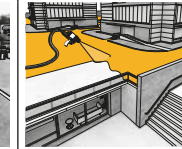
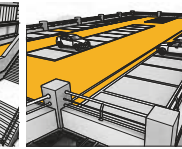
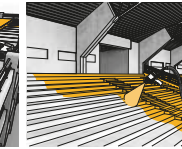
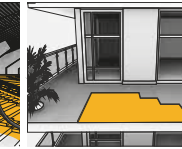
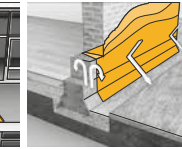
A COMPLETE PORTFOLIO FOR ALL YOUR NEEDS



<b>Sikalastic® M 689</b>	 PURE POLYUREA	 SPRAY APPLICATION	Strong chemical and mechanical resistance, making it ideal for multiple applications including water management works, water tanks, sewage systems, biogas, containment bunds, and other industrial areas.
<b>Sikalastic®-8800</b>	 PURE POLYUREA	 SPRAY APPLICATION	High chemical and mechanical resistance, making it ideal as protective coating in industrial facilities as well as waterproofing of cut and cover structures, walkways and car park decks.
<b>Sikalastic®-836 DW</b>	 PURE POLYUREA	 SPRAY APPLICATION	Special design suitable for use in water infrastructure applications, including drinking water tanks.
<b>Sikalastic® M 811 Sikalastic®-851</b>	 HYBRID POLYUREA	 SPRAY APPLICATION	Specifically designed for systems used in car park decks, podium deck and bridge deck waterproofing applications.
<b>Sikalastic® M 686</b>	 PURE POLYUREA	 TROWEL APPLICATION	Slight thixotropy makes it ideal for detailing waterproofing in areas like manholes, reservoirs, containment, water tanks, biogas plants, roofs, decks, and balconies.
<b>Sikalastic® M 860</b>	 HYBRID POLYUREA	 TROWEL APPLICATION	Hand applied polyurea, ideal for a variety of concrete waterproofing applications including podium decks, car park decks and roofs, balconies or terraces.
<b>Sikalastic® M 808</b>	 POLYURETHANE	 MANUAL APPLICATION	Hand or spray applied, elastic membrane for waterproofing and protection of concrete structures. Suitable for direct contact with potable water.

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SUMMARY OF APPLICATIONS

Use	Infrastructure: Water Management					Infrastructure	Industry				Residential / Commercial				
	Drinking water tanks	Water tanks (clean, non-potable water)	Urban waste water treatment plants	Desalination plants	Biogas and digesters	Bridge decks	Fish farm tanks	Secondary containment	Industrial waste water treatment plants	Industrial / chemical installations	Podium decks	Parking decks	Stadium stands & bleachers	Balconies	Basements
															
Sikalastic® M 689															
Sikalastic®-8800															
Sikalastic®-836 DW															
Sikalastic® M 811 Sikalastic®-851															
Sikalastic® M 686		(Repair)	(Repair)	(Repair)	(Repair)	(Repair)		(Repair)	(Repair)	(Repair)	(Repair)	(Repair)	(Repair)	(Repair)	(Repair)
Sikalastic® M 860															
Sikalastic® M 808															

Recommended (certificates / test reports available)

Optional (better options available)

Not recommended

# A GLOBAL COMPANY BUT LOCAL PARTNER



## FOR MORE INFORMATION ABOUT WATERPROOFING:



### WE ARE Sika

Sika is a specialty chemicals company with a globally leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing, and protection in the building sector and industrial manufacturing. Sika has subsidiaries around the world and produces innovative technologies for customers worldwide. In doing so, it plays a crucial role in enabling the transformation of the construction and transportation sector toward greater environmental compatibility.

Any product name or reference reflects the Sika product name at the time of creation of this document and may differ from the product name or reference during past events.

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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