



EXPERTS' CHOICE

FOR VEHICLE MANUFACTURING

Sikaflex®-500 Series
PRIMERLESS AND SUSTAINABLE

BUILDING TRUST



The Experts' Choice: “The Sikaflex®-500 Series provides the best results for industrial sealing and bonding applications.”



The Sikaflex®-500 Series

ADHESIVES AND SEALANTS THAT ARE THE EXPERTS' CHOICE

Sikaflex®-500 Series products have a proven track record in all kinds of adhesive bonding and sealing applications in industrial manufacturing. The Sikaflex®-500 Series is based on Sika's own Silane Terminated Polymer (STP) Technology, which combines the high strength and durability of polyurethanes with sustainability and easy processing.

Sikaflex®-500 products share common characteristics:

- **They perform:** their unique structure makes them stronger and longer-lasting than typical SMPs
- **They are simple to process:** since they bond well to a large variety of materials without primer.
- **They are safe to use:** not only by professionals but also by DIY enthusiasts, as they are free of isocyanates and other hazardous substances.

With the Experts' Choice Sika keeps it simple for you: three products for three clearly defined use cases.

Sikaflex®-521 UV

The All-rounder



“Sikaflex®-521 UV, the All-rounder, stands out with its versatility for all kind of sealing and bonding applications. It stays white when used on exposed joints.”

Sikaflex®-521 UV is a weathering-resistant STP adhesive sealant with primerless adhesion to a wide variety of bonding surfaces. **Sikaflex®-521 UV** has excellent weathering resistance and is the ideal solution for internal and external sealing applications as well as adhesive bonding applications with low or moderate strength requirements.

Areas of application

Sikaflex®-521 UV is suitable for all kind of sealing and basic adhesive bonding applications in industrial manufacturing. It can be painted and provides high color stability when exposed to sunlight. It adheres without special surface treatment to glass, metals, metal primers, GRP and paint coatings.

- ISEGA-certified for foodstuff area usage

* Primerless Adhesion. For all applications: requires a clean and residue-free surface. For load bearing applications: performance trials and possibly use of surface preparation, see Sika's Pre-treatment Chart, may be required.

Sikaflex®-521 UV	All-rounder
Primerless Adhesion*	● ● ●
Weathering Performance	● ● ●
High Strength Bonding	● ○ ○
Instant Grab	● ○ ○
Fast Cure	● ○ ○
Fit for DIY Use	● ● ●

Sikaflex®-545

The High Grab Expert



“Sikaflex®-545 instantly holds large components in place and speeds up the assembly by eliminating the need for spacers and tapes.”

Sikaflex®-545 is a low emission STP adhesive sealant with primerless adhesion to a wide variety of bonding surfaces. It combines the ability to instantly hold heavy and large components without the need for spacers and tapes with excellent workability. It adheres without primer to a wide range of substrates. **Sikaflex®-545** is the ideal solution for fast assembly processes where low or moderate strength is required.

Areas of application

Sikaflex®-545 is the solution that instantly holds components in place, making use of spacers and tapes obsolete.

Sikaflex®-545 bonds without primer to a broad range of materials such as glass, metals, metal primers, GRP and paint coatings.

- EC1-certified

* Primerless Adhesion. For all applications: requires a clean and residue-free surface. For load bearing applications: performance trials and possibly use of surface preparation, see Sika's Pre-treatment Chart, may be required

Sikaflex®-545	Instant Grab
Primerless Adhesion*	● ● ●
Weathering Performance	● ● ●
High Strength Bonding	● ○ ○
Instant Grab	● ● ●
Fast Cure	● ○ ○
Fit for DIY Use	● ● ●

Sikaflex[®]-554 PowerCure

The Speed Expert



“With the Speed Expert **Sikaflex[®]-554 PowerCure**, your vehicle can get back on the road faster.”

Sikaflex[®]-554 PowerCure is a fast-curing structural STP assembly adhesive with primerless adhesion to a wide variety of bonding surfaces. It cures regardless of air moisture using Sikaflex[®] Booster Technology and provides high final strength. It is suitable for joints that will be subject to dynamic stresses. **Sikaflex[®]-554 PowerCure** is the ideal solution for load bearing assembly applications where the component or vehicle has to be moved or put into operation quickly.

Areas of application

Sikaflex[®]-554 PowerCure is the best choice for structural adhesive joints that will be subjected to dynamic stresses. It is ideal for industrial assembly, vehicle production and repair. It cures independently of air humidity with SikaBooster[®]. It bonds well with minimal pre-treatment to a broad range of materials such as timber, glass, metals, metal primers and paint coatings, ceramic materials and plastics.

- ISEGA-certified for foodstuff area usage

* Primerless Adhesion. For all applications: requires a clean and residue-free surface. For load bearing applications: performance trials and possibly use of surface preparation, see Sika's Pre-treatment Chart, may be required

Sikaflex [®] -554 PowerCure	Ready faster
Primerless Adhesion*	● ● ●
Weathering Performance	● ● ●
High Strength Bonding	● ● ●
Instant Grab	● ○ ○
Fast Cure	● ● ●
Fit for DIY Use	○ ○ ○

PowerCure System

Be a Winner!



“The **PowerCure** system: Sikaflex® Booster in its most versatile format.”

Sikaflex® Booster ADHESIVE TECHNOLOGY IS PROVEN BY NUMEROUS INDUSTRIAL USERS ALL AROUND THE WORLD.

With the introduction of the PowerCure dispensing and packaging platform, smaller users or adhesive bonding jobs can also benefit from the technology. The PowerCure system is just as powerful and reliable as industrial pump and dosing equipment.

PowerCure DISPENSER

- Flexible and mobile use

PowerCure PACKAGING

- Significantly smaller waste volume than any 2C system

PowerCure MIXER

- High throughput (up to 6ml/s)

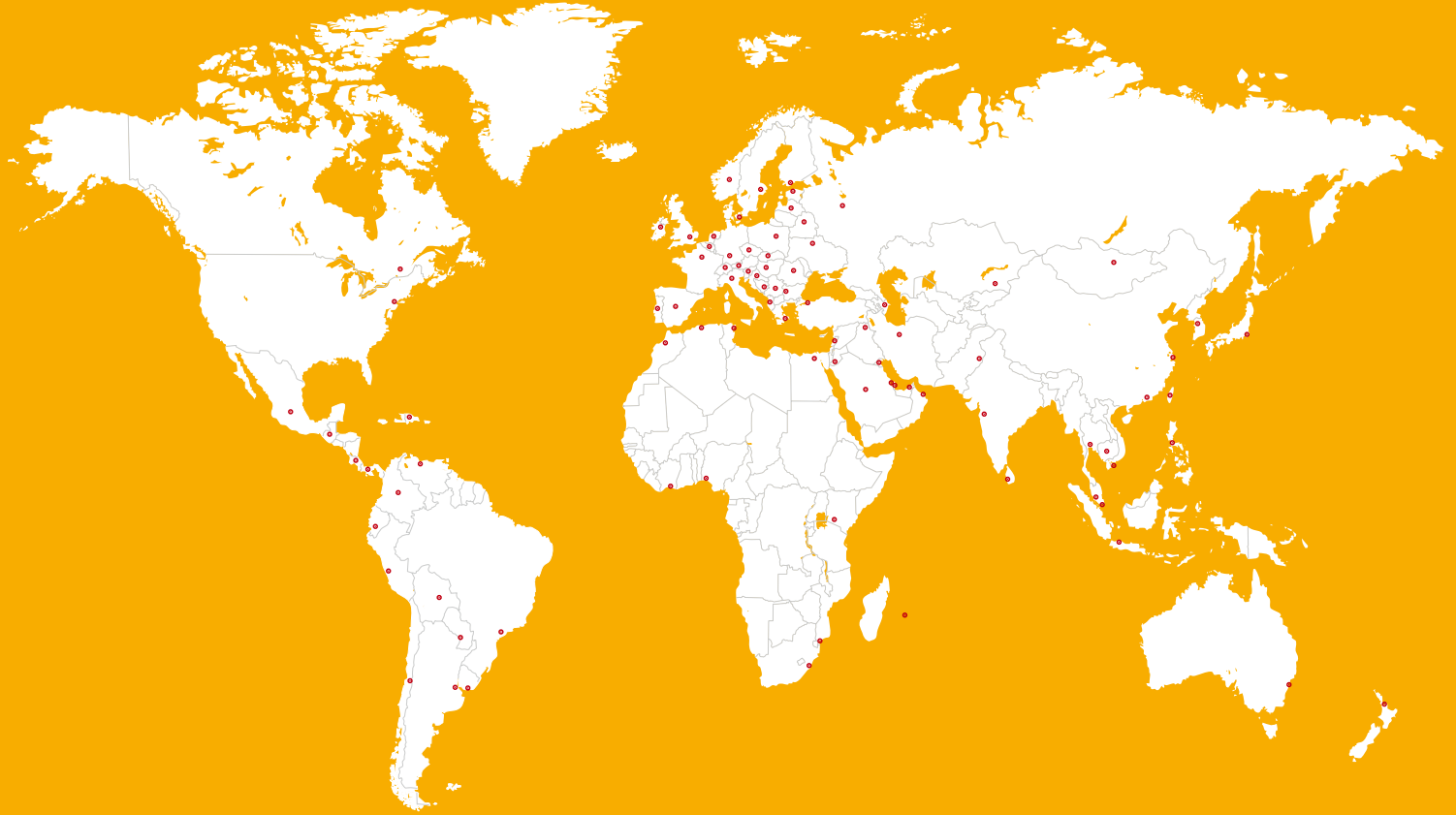
Sikaflex®-554 System – Scalable with your process needs

Like other Sikaflex® Booster products, Sikaflex®-554 is offered with a system approach consisting of a 1C, a bulk booster and a PowerCure version. This allows the adhesive to adapt well to your process needs today and in future.

Available Products

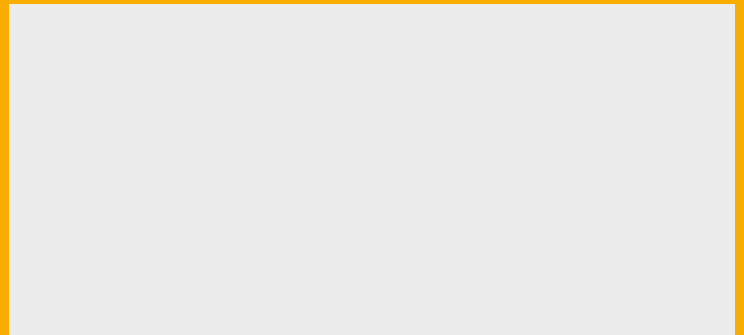
	Product	Packaging	Box content	Color	SGAN
The All-rounder	Sikaflex®-521 UV	Cartridges 300 ml	12 × 300 ml	white	
		Cartridges 300 ml	12 × 300 ml	black	
		Cartridges 300 ml	12 × 300 ml	lightgrey	
		Unipack 400 ml	12 × 400 ml	white	
		Unipack 400 ml	12 × 400 ml	black	
		Unipack 400 ml	12 × 400 ml	lightgrey	
		Unipack 600 ml	20 × 600 ml	white	
		Unipack 600 ml	20 × 600 ml	black	
		Unipack 600 ml	20 × 600 ml	lightgrey	
		Hoobock 23 l	1 × 23l	white	
		Hoobock 23 l	1 × 23l	black	
		Hoobock 23 l	1 × 23l	lightgrey	
		Drum 195 l	1 × 195l	white	
		Drum 195 l	1 × 195l	black	
Drum 195 l	1 × 195l	lightgrey			
The High Grab Expert	Sikaflex®-545	Cartridges 300 ml	12 × 300 ml	white	
		Unipack 400 ml	12 × 400 ml	white	
		Unipack 600 ml	20 × 600 ml	white	
		Hoobock 23 l	1 × 23 l	white	
		Drum 195 l	1 × 195 l	white	
The Strength Expert	Sikaflex®-554	Cartridges 300 ml	12 × 300 ml	white	
		Cartridges 300 ml	12 × 300 ml	black	
		Unipack 400 ml	12 × 400 ml	white	
		Unipack 400 ml	12 × 400 ml	black	
		Unipack 600 ml	20 × 600 ml	white	
		Unipack 600 ml	20 × 600 ml	black	
		Hoobock 23 l	1 × 23 l	white	
		Hoobock 23 l	1 × 23 l	black	
		Drum 195 l	1 × 195 l	white	
		Drum 195 l	1 × 195 l	black	
The Speed Expert	Sikaflex®-554 PowerCure	PowerCurepack 400ml	14 × 400 ml	white	
		PowerCurepack 400ml	14 × 400 ml	black	
		PowerCurepack 600ml	14 × 600 ml	white	
		PowerCurepack 600ml	14 × 600 ml	black	
Accessories	Sika PowerCure Dispenser	for 600 ml unipack	1 pc		
	Sika PowerCure Dispenser	for 400 ml unipack	1 pc		
	PowerCure Mixer	V-Cut nozzle	1 × 50 pc		
		Round nozzle	1 × 40 pc		
	Sika® Cleaner P	0.8 kg	12 × 0.8 kg		
		4 kg	1 × 4 kg		
		Sika® Aktivator-205	30 ml	24 × 30 ml	
	250 ml		6 × 250 ml		
1000 ml	4 × 1000 ml				

GLOBAL BUT LOCAL PARTNERSHIP



WHO WE ARE

Sika AG, Switzerland, is a globally active specialty chemicals company. Sika supplies the building and construction industry as well as manufacturing industries (automotive, bus, truck, rail, solar and wind power plants, facades). Sika is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting loadbearing structures. Sika's product lines feature highquality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.



FOR MORE INFORMATION

www.sika.com/transportation
www.sika.com/powercure

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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