

FLOORING

Sikafloor[®] MonoFlex LO
FOR BALCONIES, TERRACES
AND WALKWAYS

STEP UP FOR AIR QUALITY

BUILDING TRUST



STEP UP FOR AIR QUALITY

Flooring systems for balconies, terraces and walkways

SIKA OFFERS A COMPLETE SOLUTION for balconies, terraces and walkways, from floor covering to joint sealing and concrete repair, not only in new build, but also in refurbishment.



STRESS EXPOSURES OF BALCONIES, TERRACES AND WALKWAYS

Balconies, terraces and walkways are mostly outdoor and like all other parts of a property require maintenance. The outdoor exposures include rain, UV light, heat, hail, snow, low tem-

perature, and other environmental exposures. In addition, there is traffic on the floor surface. Most of these balconies and walkways consist of concrete elements where, for lack of an efficient protection, those exposures can cause a weakness or even damage.

KEY ADVANTAGES AND BENEFITS OF Sikafloor® MonoFlex LO FLOORING SYSTEMS

Durability and low life cycle cost due to high quality and performance



Smooth or structured and non-slip surface possible



Low emissions and virtually odourless



Fire protection test according to EN 13501-1



UV resistant and color stable



Good wear resistance and good chemical resistance to road salt, chlorides and alkaline cleaners



High crack bridging due to reinforcement with Sika® Reemat Premium.



Tested as waterproofing system according to ETA 005.



Thermal resistance - same performance in high and very low temperatures



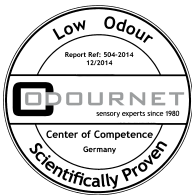
Very easy to clean

LOW-ODOR PLUS HIGH PERFORMANCE

Sikafloor® Monoflex LO flooring systems leading the way in the market

Sika Innovative and always customer-oriented, Sika sets the new quality standard for the 1-component polyurethane balcony coatings and will become the future benchmark. The latest product group from Sikafloor® Monoflex LO meets the highest quality requirements and is also almost odorless. The "suffix LO" in the system name stands for low odor. Thanks to

Sika's patented iCure technology, the latest Sikafloor® products cure completely homogenous even under harsh ambient conditions. The new Sikafloor® Monoflex LO products have been developed based on harmless raw materials of the latest generation to provide safe products for applicators and users.



ALMOST ODORLESS

When balconies and terraces are renovated, the buildings are usually inhabited. Therefore, a fast and gentle construction process is a must for residents and users. The quality performance of the new Sikafloor® Monoflex LO products in combination with the almost odorless application is unique in the market.



OCCUPATIONAL SAFETY AND HEALTH

By using safe raw materials in the formulation and Sika iCure technology, a clean and safe product range could be developed. Sika thus protects the professional applicators who install our products every day as high-quality and decorative balcony and terrace coatings.

SYSTEM SOLUTIONS: GUARANTEED QUALITY AND COMPATIBILITY

Sika offers complete systems for the protection and renovation of terraces and balconies. Sika MonoTop® for substrate preparation and concrete repair and SikaGard® for concrete protection. The elastic SikaFlex® sealants reliably seal joints in floors and facades.

Time saving and low installation cost due to ease of application



One component: no mixing work before application



Quick rain resistance and perfect curing under harsh weather conditions thanks to iCure technology



Excellent adhesion on various substrates such as concrete, existing tiles, old coatings, etc.



Application under low temperature is possible



Quick application for minimum downtime. Accelerated hardening if required using Sika® PU Accelerator

Design freedom



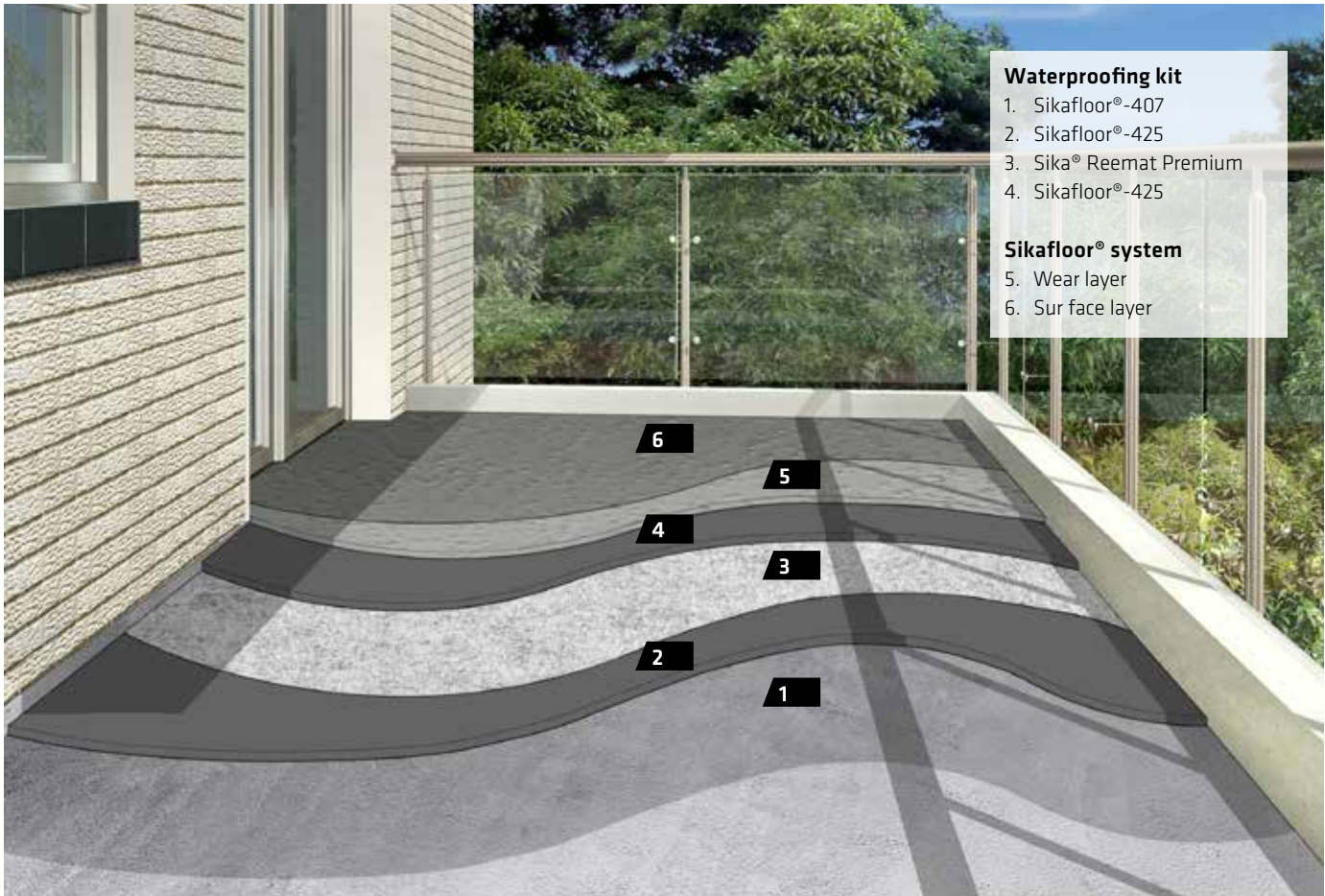
Decorative and aesthetic coating with a wide range of colors



Options for surface textures and patterns with application methods and application of color chips or quartz sand.

Sikafloor® MonoFlex LO SYSTEMS WATERPROOFING ACCORDING TO ETA 005

Sikafloor® MonoFlex LO SYSTEMS can be installed with a special waterproofing barrier below as a base coat for the subsequent wear coats and surface finishes.



DESIGN FREEDOM




Color options

Sikafloor® 420 can be tinted according to the customers' wish.

Surface options

Depending on the project requirements different combinations of numbers of layers, thicknesses, different broadcasting materials and surfaces from smooth to textured are possible

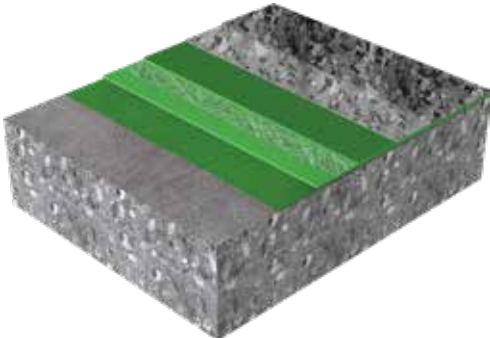
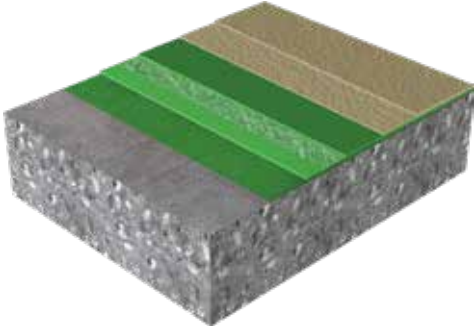
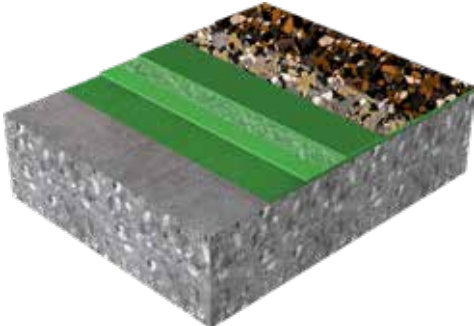


SYSTEM NAME	SYSTEM BUILDUP		
	Waterproofing kit	Sikafloor® wear and surface layers depending on the systems	
Sikafloor® MonoFlex MB-54 LO Broadcasted, uni color floor coating, 3-4 mm thick.	<ul style="list-style-type: none"> ■ Sikafloor®-407 ■ Sikafloor®-425 ■ Sika® Reemat Premium ■ Sikafloor®-425 	<ul style="list-style-type: none"> ■ Sikafloor®-420 (0.4 kg/m²) broadcasted with KG8 quartz sand ■ Sikafloor®-420 	
Sikafloor® MonoFlex MB-55 LO Broadcasted, uni color high build floor coating, 4 mm thick.		<ul style="list-style-type: none"> ■ Sikafloor®-420 (1.0 kg/m²) ■ Sikafloor®-420 broadcasted with KG8 quartz sand ■ Optional Sikafloor®-418 W 	
Sikafloor® MonoFlex MB-56 LO Smooth, uni color or flaked floor coating, 3-4 mm thick.		<ul style="list-style-type: none"> ■ Sikafloor®-420 + optional sporadic Sikafloor® Colorchips Mix (PVA Flakes) ■ Sikafloor®-418 W + antiskid agent 	



Sikafloor® MonoFlex LO SYSTEMS

WATERPROOFING ACCORDING TO ETA 005

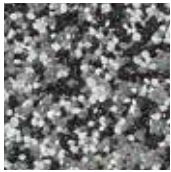
SYSTEM NAME	SYSTEM BUILDUP		
	Waterproofing kit	Sikafloor® wear and surface layers depending on the systems	
<p>Sikafloor® MonoFlex MM-57 N</p> <p>Mortar applied colored, quartz finished floor coating, 4 - 5 mm thick.</p>	<ul style="list-style-type: none"> ■ Sikafloor®-407 ■ Sikafloor®-425 ■ Sika® Reemat Premium ■ Sikafloor®-425 	<ul style="list-style-type: none"> ■ Sikafloor®-406 ■ Sikafloor®-406 and KG7 quartz sand mixed as mortar ■ Sikafloor®-418 W 	
<p>Sikafloor® MonoFlex MB-58 LO</p> <p>Broadcasted, in natural sand tones colored floor coating, 3 - 4 mm thick.</p>		<ul style="list-style-type: none"> ■ Sikafloor®-420 ■ Sikafloor®-420 broadcasted with KG9 quartz sand ■ Sikafloor®-418 W 	
<p>Sikafloor® MonoFlex MB-59 LO</p> <p>Broadcasted with flakes, multi color floor coating, 3 - 4 mm thick.</p>		<ul style="list-style-type: none"> ■ Sikafloor®-420 broadcasted in excess with Sikafloor® Color-chips Mix (PVA Flakes) ■ Sikafloor®-418 W 	

SURFACE APPEARANCE

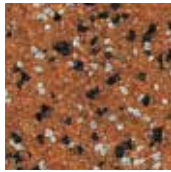
EXAMPLES



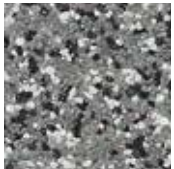
Bahama Beige



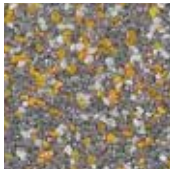
Anthracite



Terracotta



Graphite



Segovia



Different colors possible, please check local availability



Fine Grey



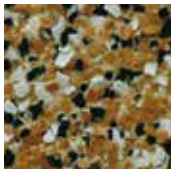
Sand Beige



Mid Grey



Blue Stone



Sahara



Namibia



Negev

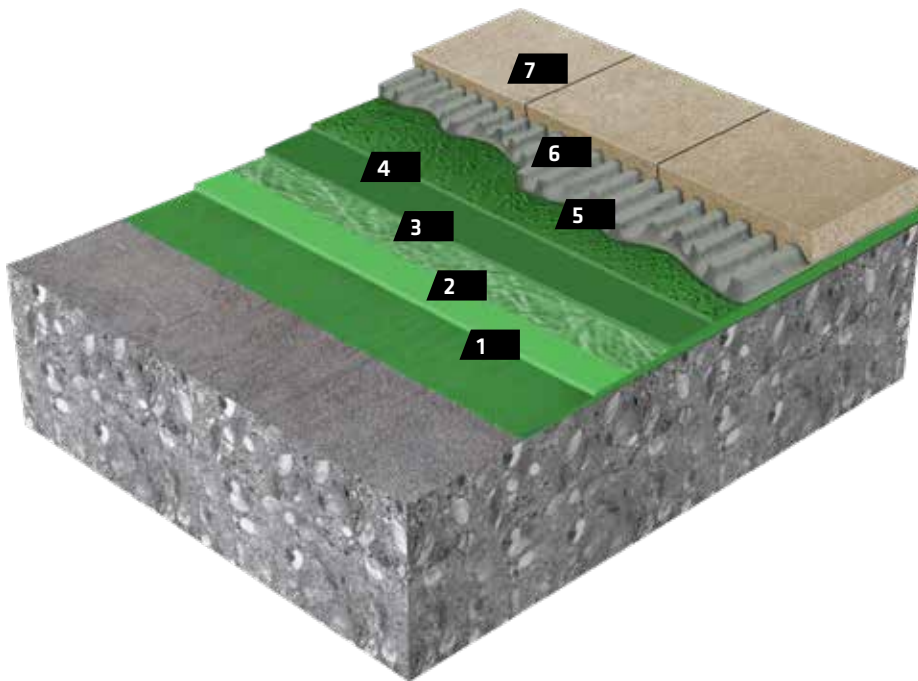


Gobi



Sikafloor® MonoFlex LO PRODUCTS AS WATERPROOFING BARRIER UNDERNEATH CERAMIC TILES

Sikafloor® Monoflex MB-50 WPT can be used as waterproofing membrane underneath ceramic tiles. The liquid applied and reinforced membrane is easy to install and perfect if difficult details need to be sealed.



Sikafloor® Monoflex MB-50 WPT

Waterproofing kit

1. Sikafloor®-407
2. Sikafloor®-425
3. Sika® Reemat Premium
4. Sikafloor®-425
5. Sikafloor®-425 broadcasted in excess with KG9 quartz sand
6. SikaCeram® tile adhesive
7. Ceramic tile



1. Sikafloor® Monoflex MB-50 WPT
2. SikaCeram® tile adhesive
3. Ceramic tile

Sikafloor® MonoFlex LO SYSTEMS

ELASTIC, WEAR RESISTANT AND DECORATIVE

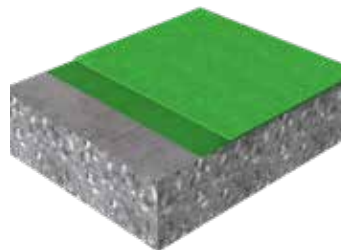
The following systems don't consist of a waterproofing kit according ET005, but due to the flexible one-component polyurethane they are also able to bridge cracks in the substrate and protect the structure from water ingress. The flexible build-ups can absorb wear and tear from the daily use and are easy to clean.

Sikafloor®-420 can be tinted according to customers' individual wishes to give the balconies and terraces a sleek and decorative look. Depending on the project requirements different combinations of numbers of layers, thicknesses, different broadcasting materials and surfaces from smooth to textured are possible.

SYSTEM BUILDUP

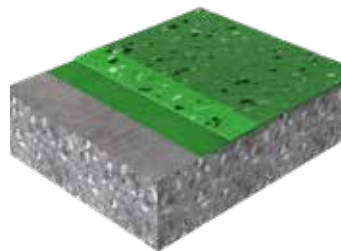
Sikafloor® Monoflex MS-23 LO

- Sikafloor®-407
- Sikafloor®-420



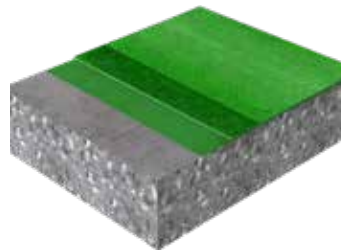
Sikafloor® Monoflex MS-24 LO

- Sikafloor®-407
- Sikafloor®-420 + optional sporadically broadcasted with Sikafloor® Colorchips Mix (PVA Flakes)
- Sikafloor®-418 W



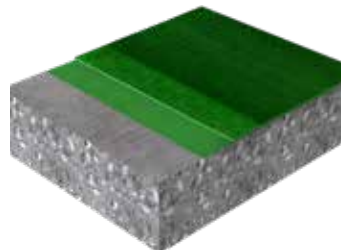
Sikafloor® Monoflex MB-25 LO

- Sikafloor®-407
- Sikafloor®-420 broadcasted in excess with natural quartz sand 0.3 - 0.8mm
- Sikafloor®-420



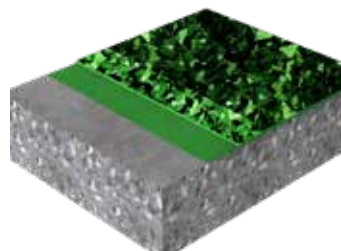
Sikafloor® Monoflex MB-26 LO

- Sikafloor®-407
- Sikafloor®-420 broadcasted in excess with Sika color quartz sand 0.3 - 0.8mm
- Sikafloor®-418 W



Sikafloor® Monoflex MB-27 LO

- Sikafloor®-407
- Sikafloor®-420 broadcasted in excess with Sikafloor® Colorchips Mix (PVA Flakes)
- Sikafloor®-418 W



CONCRETE REPAIR AND PROTECTION

SIKA OFFERS THE SOLUTION TO SUSTAINABLY REHABILITATE THE CONCRETE STRUCTURE.

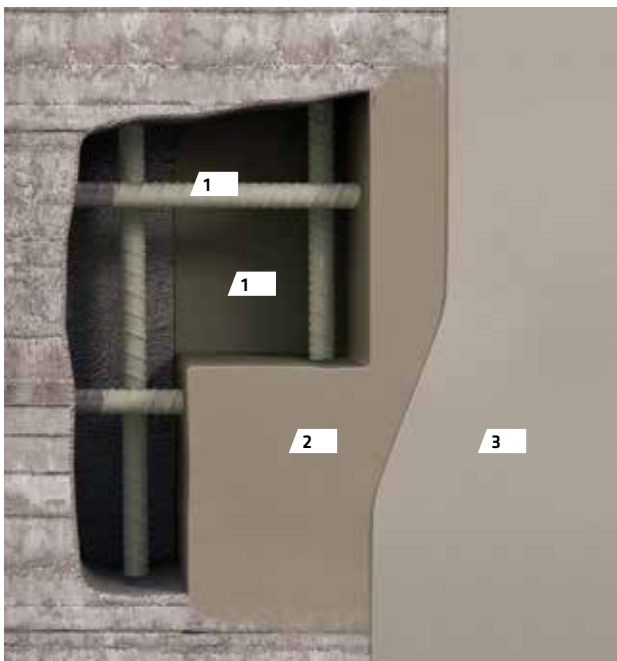
Deterioration of concrete structures can happen for many reasons such as corrosion, structural damage, water infiltration etc. Many years of research plus decades of practical experience have enabled Sika to develop full comprehensive mortar solutions to repair, restore and rehabilitate concrete structures.

Sika MonoTop® offers adjusted products for concrete refurbishment according to European Standard EN 1504. Sikagard® products are used to protect the concrete for the next lifetime period. These two systems are optimally adapted to each other and offer safety and outstanding processing properties to enhance the life span of the concrete elements.

CONCRETE REPAIR SYSTEMS

Sika MonoTop®

A complete range of cementitious polymer modified mortars. The individual products are designed to meet the most diverse requirements of each project. Countless projects worldwide have been repaired with Sika MonoTop® and convince with their durability.



- | | |
|---|---|
| <p>1. Sika MonoTop®-910 N/ECO
Bonding Primer and Reinforcement Corrosion Protection</p> <p>2. Sika MonoTop®-412 N / Eco
Repair Mortar</p> | <p>3. Sika MonoTop®-723 N / Eco
Pore sealer and Levelling Mortar</p> |
|---|---|

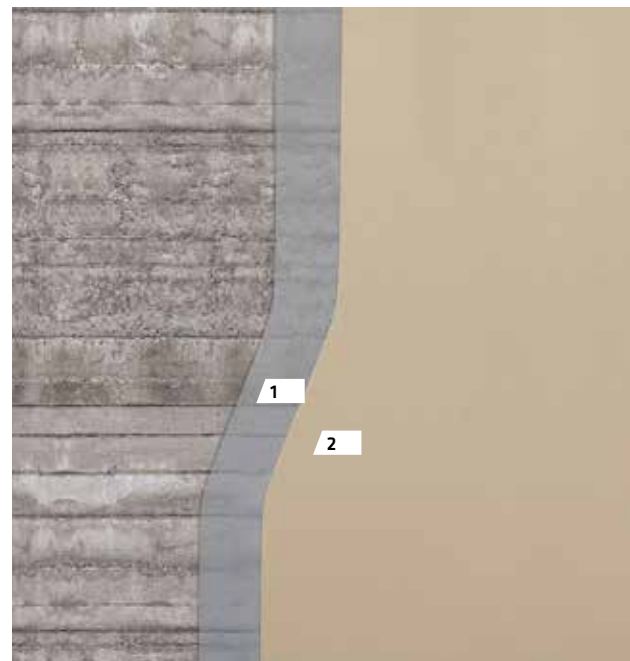
CONCRETE PROTECTION SYSTEMS

Sikagard®

A range of hydrophobic impregnation, rigid and flexible protective coatings to protect concrete structures against ingress of deleterious elements;

Sika® FerroGard®

A range of surface applied corrosion inhibitors and galvanic anodes to prevent/reduce corrosion of embedded reinforcing steel.



- 1. Sikagard®-705 L**
Silane based reactive water repellent impregnation.
- 2. Sikagard®-555 W Elastic**
Crack bridging protective coating on Sika® levelling mortar

JOINT SEALING

WHERE IS YOUR CONSTRUCTION MOST VULNERABLE TO WATER INGRESS? AT THE JOINTS!

Joints are omnipresent! They are between the different materials, the concrete slabs, the floor and walls, around doors and windows etc. The sealing of these joints is challenging as there is always movement within mainly originating from thermal expansion of the materials. Only durable elastic sealants with good adhesion to the joint flanks can guarantee long-lasting tight joints. Use Sikaflex® to sustainably waterproof your joints!

Good adhesion is the key to tight joints. As the joints on the balcony are frequently exposed to water and also standing water is possible we recommend to pretreat the joints before sealant application. Use Sika Primers to get this good adhesion.

Sikaflex® – FOR DURABLE WATERPROOF JOINTS!

Sikaflex®-11FC:

Our multipurpose adhesive-sealant for connection and movement joints on the floor and walls. Sikaflex®-11FC has good adhesion to common construction materials.

Sikaflex® PRO-3 or PRO-3 SL:

Our premium sealants for all floor joints. Sikaflex PRO-3 is non-sag and Sikaflex® PRO-3 SL is self-levelling. Self-levelling sealants significantly ease the application as no masking and tooling is required.

Sikaflex®-111 Stick & Seal:

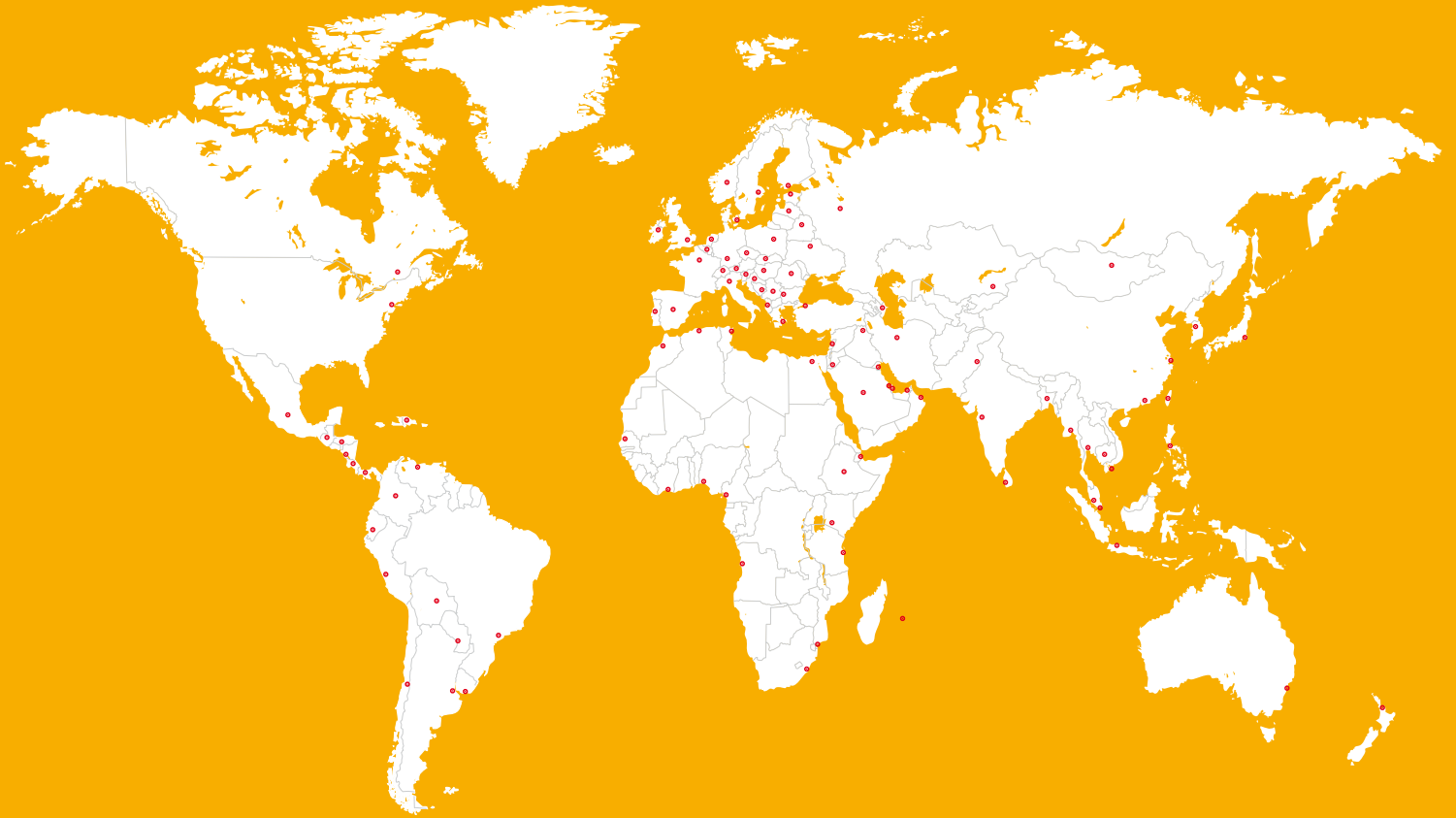
Our latest adhesive-sealant for good adhesion to difficult substrates like PVC and damp concrete and compatibility to sensitive material like EPS.

Sika® Primer-115 or Sika® Primer-3N:

For good and durable adhesion of the sealant to the substrate.



GLOBAL BUT LOCAL PARTNERSHIP



WE ARE SIKA

Sika is a specialty chemicals company with 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's product lines feature concrete admixtures, mortars, sealants and adhesives, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.

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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