TECHNOLOGIES AND CONCEPTS
SIKA SOLUTIONS FOR FLOORING AND COATING

BUILDING TRUST

SIKA, YOUR SOLUTION PROVIDER

At Sika, our sales and technical teams work closely with customers every day around the world. We fully understand the pressures and complexities involved in constructing and maintaining facilities in industrial and commercial environments. From meeting specific functional demands to complying with strict regulatory standards, every detail matters – and we're here to help you get it right.

Sika leads the way in seamless flooring and coating innovation worldwide, offering a full range of advanced technologies that deliver proven durability, exceptional performance, efficiency, and regulatory compliance across all industries. But beyond innovation, we truly listen to our customers. Our experts collaborate closely with plant owners, architects, engineers, and contractors to provide tailored solutions that address real-world needs–like short downtime, long service life, and ease of application.

With Sika, you benefit from world-class systems backed by hands-on support, expert application training, and a shared commitment to quality and sustainability. Together, we help you stay on schedule, on budget, and ahead of expectations.

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SIKA'S FLOORING AND COATING CAPABILITIES FOR A HEALTHIER AND SAFER URBAN SPACE

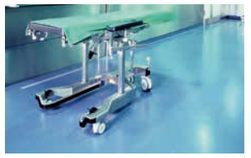
Sika flooring and coating solutions are based on many technologies including: Epoxy, Xolutec®, PUR and PMMA resins; combinations of different binder technologies such as PU & Cement and EP & Cement for solutions covering all types of requirements for industrial and commercial applications. Sika's quality products are designed for the latest trends and requirements and comply with all regulations and standards, e.g. ISO 9001 and 14001, AgBB, CE-MARKING, M1, CSM, etc. Additionally, Sika is the world leader in VOC and ESD/ECF flooring technology.

Sika flooring and coating solutions are used in various function areas in buildings and facilities, for example for industrial floors with mechanical and chemical resistance, food industry walls with hygienic requirements, floors and walls in clean room environments, and decorative floors and walls in commercial and residential buildings. Their application can be used in almost all project types in an urban space:

- Manufacturing Industry (automotive, electronics, assembly plants, chemicals, etc.)
- Life Science Industry (food and beverage, pharmaceuticals, professional laboratories, etc.)
- Warehouse and Distribution (storage and transportation)
- Car Park, Parking Garages (public, commercial, private)
- Commercial Buildings (hotels, shops, offices, exhibition centers, etc.)
- Institutional Buildings (schools, hospitals, libraries, museums, athletic centers, etc.)
- Interior Finishing (residential and small commercial, distribution business)
- Carriers (marine, trains and rail, trucks and busses)

Solutions for Storage, Logistics and Sales Areas. Page **12**

Solutions for Production and Processing Areas. Page **18**



Solutions for Cleanroom Areas. Page **28**

Solutions for Electro Static Discharge (ESD) Protection and Control. Page **36**

Sika® FloorJoint Solutions. Page **40**

Solutions for Multi-Storey and Underground Car Parks. Page **42**

Leveling solution for perfectly even and smooth floor substrate. Page **52**

Solutions for Commercial, Public and Residential Areas. Page **56**

Solutions for Walls and Ceilings. Page **62**

Sikafloor® SOLUTIONS – A SEAMLESS MATCH FOR YOUR SPECIFIC NEEDS

WHAT MAKES A FLOOR A Sikafloor®? At Sika, the global leader in innovative flooring solutions, we listen carefully to what our customers want and need, stay abreast of changes that can impact your business, and make significant investments in research, development and testing in order to bring you trusted, engineered solutions based on evidence and best practices. Our time-tested, proven approach is rooted in more than 100 years of experience developing technologies used in flooring as well as concrete production, below-ground waterproofing, roofing, sealing and bonding, and other industrial applications.

We know that your business has its own unique flooring requirements in terms of impact resistance, rolling load resistance, wear resistance, safety regulations, antistatic performance, chemical or fire resistance and, increasingly, quick and efficient installation. Because our products can be customized to meet your technical requirements while still complying with government regulations, you're assured of getting excellent solutions that have only the characteristics you want and need.

Sika is a global expert in all core technologies commonly used in our specialty area of seamless flooring. And, all Sikafloor® solutions are developed and manufactured according to industry standards as well as our own strict standards for quality assurance and business ethics. To ensure the perfect solution for your business, we offer several flooring families for you to choose from. Families are based on core technologies. Variations within each family allow you to find solutions fine-tuned to your individual needs. All of the families are bonded together by our core flooring values: seamless solutions for your needs, innovative designs, durable and sustainable performance by offering more value at less impact, and full professional support by expert field personnel who are not only the best at what they do but who also take great pride in their work and care about your project.

We design every seamless Sikafloor® product using liquid-applied synthetics or synthetic-cementitious-hybrids. Our synthetic solutions are ideal for a wide variety of applications which is why you find them in industrial buildings, food and pharma facilities, car parks, schools, libraries, hospitals, shopping malls, museums, apartment buildings, private residential properties and other settings.

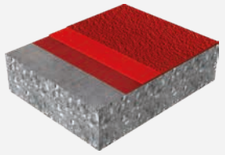
Our cementitious flooring solutions are designed for ready-to-use and subfloor preparation applications. For time-critical projects, we offer a unique technology that reduces the waiting time for moist concrete to dry – our Sikafloor® EpoCem® intermediate layers can be installed directly on green and damp concrete.

Whether you're a building tenant, owner or applicator, Sika has you covered. In addition to our array of product offerings, we can supply you with industry certifications, proof of product performance and a global network of flooring specialists. For applicators, we also offer training programs to ensure proper installations. We do these things because we believe in Building Trust.

Sikafloor® SOLUTIONS – A SEAMLESS MATCH FOR YOUR SPECIFIC NEEDS

HERE'S A LOOK AT OUR PRODUCT OFFERINGS:

Sikafloor® MultiDur

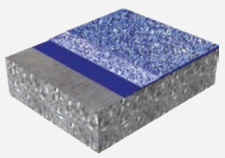


Epoxy flooring systems by Sika, a global standard. Your workhorse for heavy-duty performance, these flooring systems offer excellent mechanical strength, wear-resistance and chemical-resistance. Although seamless floors, by definition, are aesthetically pleasing, color and design are typically not our customers' major driver in choosing these flooring options. Rather, functionality and delivering long-lasting performance are where these floors excel. Choose from smooth, textured, broadcasted (slip-resistant) and mortar finishes to ensure the usability, safety and cleaning regime best fitting your needs.

Within the Sikafloor® MultiDur family you will find special solutions with extremely high chemical resistance; solutions approved for cleanroom usage; and electrostatic discharging, dissipative and electrically conductive flooring. For more basic flooring use and high performance wall coating needs, we offer water-borne coating systems.

Sikafloor® MultiDur solutions are commonly found in:
- Storage, logistics and sales areas
- Production, processing and cleanroom areas (dry and wet)
- Ground-bearing decks, car parks
- Commercial, public and residential areas

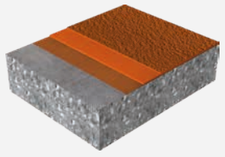
Sikafloor® DecoDur



Decorative epoxy flooring systems by Sika. These added design options for heavy-duty flooring are perfect for projects where you want more than a traditional, uni-color design and need the performance of an epoxy floor. Within the Sikafloor® DecoDur family, we offer flooring solutions with different grades of mechanical and chemical resistance, all in a speckled design. Patterns range from a granite effect up to a larger full-flake design and are available in a variety of colors. Typically, Sikafloor® DecoDur floors are installed with a smooth or lightly broadcasted surface texture. At your preference, we can finish the floor with a matte sealer that's designed to withstand common household and light-industrial chemicals or a tougher, more chemical-resistant, glossy finish.

Sikafloor® DecoDur floors are commonly found in:
- Life science facilities
- Laboratories
- High-pedestrian traffic zones in commercial and institutional buildings
- Food courts

Sikafloor® MultiFlex

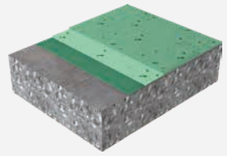


Polyurethane flooring systems for heavy duty and industrial usage by Sika. Sikafloor® MultiFlex systems are known for their higher elasticity which allows for crack-bridging designs. Further, these floors excel in absorbing base floor movements.

Sikafloor® MultiFlex solutions include designs installed directly on top of elastic waterproofing membranes and are available with or without special surface protection. These floors are installed in smooth, light broadcast and heavy broadcast (high anti-slip) designs.

Sikafloor® MultiFlex can commonly be found in:
- Storage, logistic and sales areas (raised floors)
- Production, processing and cleanroom areas (dry and wet)
- Car parks, intermediate and top decks

Sika ComfortFloor®

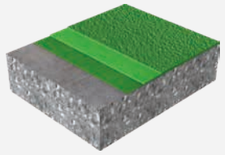


With decorative, polyurethane flooring systems for commercial and residential applications by Sika, perfection has never been so close. Global technology leadership in industrial and resilient flooring comes together in our Sika ComfortFloor® family, offering seamless, high-end aesthetics for even the most discerning clientele. An environmentally friendly solution, Sika ComfortFloor® is mainly based on natural oils and organic raw materials. Its backing – comprised of resilient, acoustic isolation pads – are made of recycled rubber and foam particles.

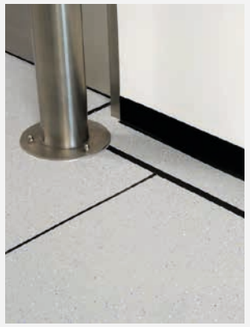
Sika ComfortFloor® systems offer nearly unlimited design freedom. They are typically installed in a matte finish and are available in 72 standard colors. Custom colors are an option, as are two-tone "concrete-look" designs and the ability to create your own floor art. Additional options include broadcasted colored flakes for a speckled design and a light, anti-slip surface texture for use in wet areas such as showers and toilet rooms. All systems offer very high color stability.

Sika ComfortFloor® solutions are commonly found in:
- Institutional buildings such as schools, museums, libraries and hospitals
- Commercial buildings such as shopping malls, hotels, office buildings and restaurants
- Residential buildings of high-end, modern design

Sikafloor® Xolutec®

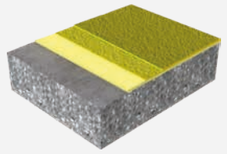


Sikafloor® Xolutec® is a modified PU flooring system, applied as a roller coat, self-leveling, or broadcast flooring system. The Xolutec® technology provides outstanding mechanical properties combined with excellent chemical resistance. The products are solvent-free, virtually odor-free, moisture-tolerant, non-blushing, and fast-curing even at temperatures as low as +5°C. Compared to epoxy resins, the Xolutec® technology offers a wider application window. Typically, Xolutec®-based floors are installed in underground car parks and areas exposed to high wear and cutting stresses, such as metal mechanic workshops, high-traffic warehouses, and bottle-washing plants.



Sikafloor® SOLUTIONS – A SEAMLESS MATCH FOR YOUR SPECIFIC NEEDS

Sika® Ucrete®

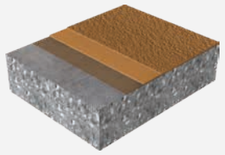


Polyurethane cementitious hybrid flooring systems by Sika. These innovative flooring solutions deliver extreme performance in terms of mechanical and chemical resistance as well as reduced environmental impact. Because they're durable, low maintenance and available with resurfacing options, our versatile Sikafloor® Ucrete® range of systems has been the market leading flooring solution for more than 50 years in a wide variety of heavy-duty applications. Sika® Ucrete® floors have excellent temperature and thermal shock resistance allowing them to be used in even the most demanding production areas. They can be installed on early aged and high moisture cementitious substrates without the use of special primers making them easier to install in real world conditions.

Sika® Ucrete® floors are available in a range of slip resistant finishes. For example, they can be installed in a light or heavy anti-slip broadcast or in a full mortar build-up to ensure high performance in wet areas. A smoothor light-textured surface finishes are available for dry or occasionally wet areas. Sika® Ucrete® Gloss is the latest innovation to our Sika® Ucrete® family. This system's glossy finish allows for significantly easier floor cleaning in dry areas.. Specified with a smooth surface finish and in a low- to medium- thickness, this solution can be an alternative to some Sikafloor® MultiDur systems.

Sika® Ucrete® solutions are commonly found in:
- Food and beverage processing facilities
- Professional kitchens
- Cool storage areas
- Heavy-duty processing areas, especially wet processing

Sikafloor® Pronto

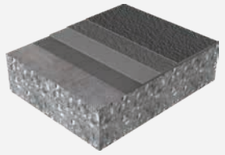


Methacrylate (P.M.M.A.) flooring systems that speed up installation times to the maximum, by Sika. Our Pronto family is known for it's high resistance to a wide variety of uses. The super-fast curing time of these synthetics allows for super-quick refurbishments, though proper ventilation is required during installation to avoid inconveniences from odors.

When applied to areas with pedestrian traffic, Sikafloor® Pronto surfaces are typically installed in a smooth or light broadcast finish. A colored-flake broadcast finish can be provided upon request. A heavier broadcast finish is available for applications where there is vehicle traffic.

Sikafloor® Pronto solutions are commonly found in:
- Commercial kitchens
- Process areas
- Pedestrian walkways, such as balconies and staircases
- Animal facilities
- Multi-story and underground car parks

Sikafloor® OneShot



The fastest way to finish your car park and bridge deck, by Sika. This unique, innovative solution allows two steps in one shot. Our super-fast, spray-applied polyurea coating assures high mechanical strength. And, by spraying the fillers needed to provide the surface's anti-slip texture at the same time, a significant amount of labor is saved, making it possible to prime, finish and seal in one day. Finishing options are available in both polyaspartic and polyurethane technology.

Sikafloor® OneShot solutions are commonly found in:
- Car parks
- Bridge decks

Sikafloor® Dry Shake

Concrete surface hardening, curing and sealing and heavy-duty industrial screeds, by Sika. Our dry shake Sikafloor® powders are broadcasted directly onto the fresh concrete – before the powerfloat finish is applied – to create an extremely hard-wearing, monolithic concrete floor. Additional performance can be achieved through various liquid-applied surface hardeners, finishing aids, curing compounds and surface sealers.

Sikafloor® Dry Shake solutions are commonly found in:
- Storage, logistics and sales areas
- Non-critical, heavy-duty industrial areas such as dry processing facilities
- Car parks
- Data centers
- Commercial and public areas

SikaLevel® / Sikafloor® Level

Subfloor preparation and leveling solutions, by Sika. To assure compatibility of base floor preparation materials with final, high-end synthetic finishes, Sika offers a full range of leveling underlayments and overlayments. Professional flooring contractors and general construction craftsmen recognize Sika leveling compounds for excellent performance and workability.

Each underlayment has a matching range of primers to ensure solid performance on different types of substrates, both in new and refurbishment projects. We offer solutions for absorbing cementitious and calcium-based slabs, and solutions to go over existing ceramic tile or synthetic flooring. When time is of the essence, we can help to reduce your project lead time with the Sika® Level Rapid solution. This system's fast-drying properties typically enable underlayment and overlaying on the same day. Sikafloor® Level systems can be used in combination with our own Sika ComfortFloor®, Sikafloor® MultiDur, Sikafloor® DecoDur and Sikafloor® MultiFlex flooring solutions and with a wide variety of common commercial floors. Within our SikaBond® family, you'll find adhesives for synthetic, textile and wood flooring systems.

Sikagard® WallCoat

A wall coat that blends specific, engineered performance requirements with decorative designs, by Sika. When you need more than just paint, our family of Sikagard® WallCoat performance and decorative wall coating systems delivers unique benefits for demanding surface finishing. Chemical resistance. Heavy-duty mechanical resistance. The ability to withstand chemicals used in cleaning regimes. In-film preservatives providing finishes that do not promote the development of fungi, bacteria and other micro organisms. Sikagard® WallCoat solutions do it all. Easily.

Sikagard® WallCoat solutions are commonly found in:
- Cleanroom certified areas
- Food and beverage processing facilities
- Hospitals and laboratories
- Concrete surface protection
- Tunnels
- Commercial, institutional and residential interior finishing

Sikafloor® SOLUTIONS FOR STORAGE, LOGISTICS AND SALES AREAS

LARGE QUANTITIES OF GOODS have to be produced, distributed and delivered quickly and on time for an efficient economy to function. In the manufacturing industries where these goods are handled and stored, the warehouses, their loading bays etc., all need to have their floors designed and installed to suit the specific conditions of each area's operation.

It is always essential to ensure that the stresses imposed are all able to be safely accommodated by the flooring system. Therefore, fully understanding each area's operations and then defining all of the performance requirements for the floor is the most important. This includes the required mechanical impact, abrasion and chemical resistance, thermal exposure plus ease of cleaning, and dust prevention, etc.

NEW BUILDINGS
Concrete slabs produced from mix designs using Sika admixtures technology form a sound foundation and allow accurate levels with the necessary falls to be achieved. Sikafloor® "dry shake" solutions as the name suggests, are applied as dry powders directly onto the surface of the freshly laid concrete, where they are power float finished, and then harden monolithically with the base concrete. This creates an integrated and extremely hardwearing floor. Concrete curing agents, plus surface hardening and sealing compounds complete the Sikafloor® range.

Additionally, Sika's overlay and cementitious screed systems can be used as a final floor layer providing a functional and architectural finish.

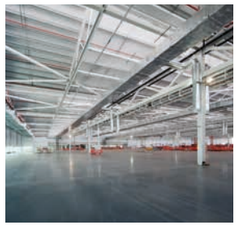
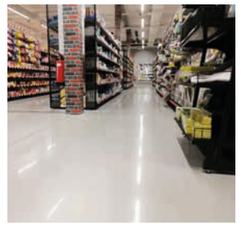
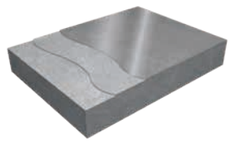
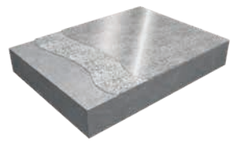
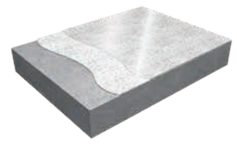
REFURBISHMENT
Sika's cementitious, self-smoothing pumped screeds and leveling products are used to provide a uniform and level surface for the application of floor finishes. The vapor permeable and rapid drying screeds provide economic and functional solutions.

STORES AND OUTLETS
Sika's variaty of resin and cementitious flooring solutions provide functional and aesthetic finish for any kind of store and shopping areas. They are hard wearing, seamless, non-porous, non-dusting and available in variaty of colors and textures.

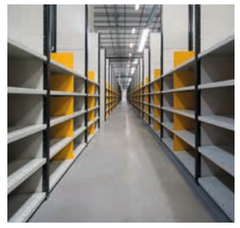
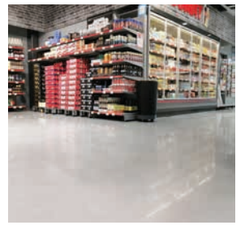
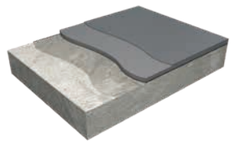
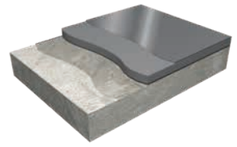
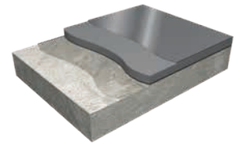
MANY ONGOING DAILY ACTIVITIES INCLUDING: FORKLIFT OR PALLET TRUCK TRAFFIC CARRYING HEAVY LOADS, PALLETS AND BOXES BEING DRAGGED ACROSS THE FLOOR, STRICT TEMPERATURE REQUIREMENTS FOR CERTAIN GOODS, ETC.

COLD STORAGE AREAS
Sikafloor® solutions can provide durable flooring solutions for cold storage areas even under the most severe conditions with extreme mechanical, chemical and thermal exposure.

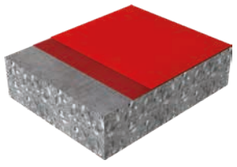
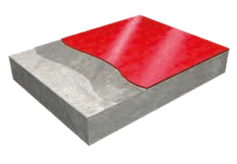
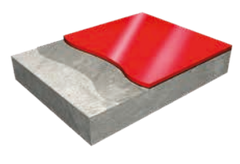
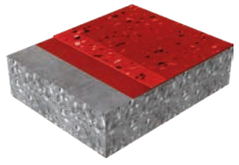
STORAGE, LOGISTICS AND SALES AREAS

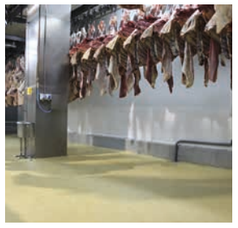
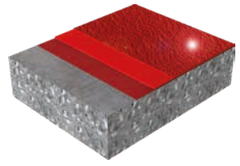
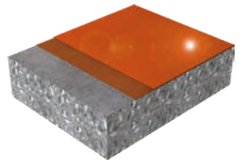
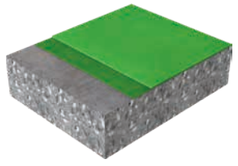
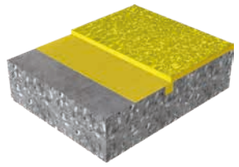
			
SYSTEM	**Sikafloor® EasyFinish CS-30**	**Sikafloor® CreamPolish CS-31**	**Sikafloor® Terrazzo CS-32**
			
DESCRIPTION	Dry-shake hardener based flooring system based with specially designed finishing aid.	A highly durable, decorative concrete flooring system, based on dryshake hardeners, polished to cream finish.	A highly durable, decorative concrete flooring system, based on dryshake hardeners, grined and polished with aggregate exposure.
NOMINAL THICKNESS / LAYERS	2.5 – 4 mm 2 – 3	2.5 – 4 mm 4	2.5 – 4 mm 4 – 5
CHARACTERISTICS	■ Economic surface solution with high mechanical and wear resistance ■ Patented multilayer dry shake application ■ Easy and safety application and finishing ■ Quality improved final finish ■ Cost-effective	■ Decorative and economic surface solution with high mechanical and wear resistance ■ Patented multilayer dry shake application ■ Grind and polished after 7 – 10 days ■ Decorative class A finish, exposing only the finest particles of aggregate ■ Quality improved final finish ■ Cost-effective ■ Low maintenance	■ Decorative and economic surface solution with high mechanical and wear resistance ■ Patented multilayer dry shake application ■ Grind and polished after 7 – 10 days ■ Decorative class B finish, fully exposing the dry-shake aggregate ■ Polished to chosen sheen level ■ Low dust solution ■ Ligh colors help improve natural lighting
SYSTEM COMPONENTS	■ Sikafloor®-3 QuartzTop/ -2 SynTop/ -1 MetalTop ■ Sikafloor®-931 Finishing Aid ■ Sikafloor® ProSeal	■ Sikafloor®-3 QuartzTop/ -2 SynTop/ -1 MetalTop ■ Sikafloor®-931 Finishing Aid ■ Sikafloor®-958 PG	■ Sikafloor®-3 QuartzTop/ -2 SynTop ■ Sikafloor®-931 Finishing Aid ■ Sikafloor®-958 PG

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

				
SYSTEM FAMILY	**SikaLevel® / Sikafloor® Level**	**Sikafloor® HardTop CS-56/57 StainProtect**	**Sikafloor® HardTop CM-60/65 Rapid**	**Sikafloor® QuartzTop-135 PG overlay**
				
DESCRIPTION	Cementitious, vapor permeable, self-smoothing screed.	Cementitious, rapid-hardening, high-strength, stain-protected floor-levelling screed and repair mortar system.	Cementitious, rapid-hardening, high-strength, flowable floor-levelling screed system and a Sikafloor® resin-based wearing layer.	Mineral aggregate based cementitious pumpable screed and overlay for repair, re-surfacing and polished finishes.
NOMINAL THICKNESS/ LAYERS	4 - 30 mm 3	8/10 - 80/200 mm 3	8 - 80/100 mm 3	7 - 15 mm 3
CHARACTERISTICS	■ Smooth and level surface ■ Rapid drying ■ Vapour permeable ■ Low to medium thickness	■ Rapid hardening screed ■ High mechanical resistance ■ Reduced penetration of liquids, grease, oils	■ Rapid hardening screed ■ High mechanical resistance ■ Reduced penetration of liquids, grease, oils	■ Good abrasion and mechanical resistance ■ Good impact resistance ■ Color options ■ Polishable to terrazzo appearance
SYSTEM COMPONENTS	■ Sikafloor®-151 (+ quartz sand broadcast) / SikaLevel®-01 Primer ■ Sikafloor® Level-30 ■ Sikafloor®-2510 W	**CS-56 StainProtect (8–80 mm)** ■ SikaScreed®-20 EBB ■ SikaScreed® HardTop-60 ■ Sikagard®-914 W Stainprotect Primer and Sikagard®-915 Stainprotect **CS-57 StainProtect (10–200 mm)** ■ SikaScreed®-10 BB/ -20 EBB ■ SikaScreed® HardTop-70 ■ Sikagard®-914 W Stainprotect Primer and Sikagard®-915 Stainprotect	**CM-60 Rapid (8–80 mm)** ■ SikaScreed®- 20 EBB ■ SikaScreed® HardTop-60 ■ Sikafloor® -140 W Trowelling Primer ■ Sikafloor®-151 fully broadcasted with quartz sand ■ Sikafloor® resin-based wearing layer (PU, epoxy, Hybrid) **CM-65 Rapid (8–100 mm)** ■ SikaScreed®- 20 EBB ■ SikaScreed® HardTop-65 ■ Sikafloor® -140 W Trowelling Primer ■ Sikafloor®-151 fully broadcasted with quartz sand ■ Sikafloor® resin-based wearing layer (PU, epoxy, Hybrid)	■ Sikafloor® SynTop-135 PG ■ Sikafloor®-931 Finishing Aid ■ Sikafloor® ProSeal or polished to preferred grade and sealed with Sikafloor®-958 PG

STORAGE, LOGISTICS AND SALES AREAS

				
SYSTEM	**Sikafloor® MultiDur WS-18**	**Sikafloor® MultiDur ET-10**	**Sikafloor® MultiDur ES-30**	**Sikafloor® DecoDur ES-26 Flake**
				
DESCRIPTION	Double water based epoxy roller coat	Textured unicolor epoxy roller coat	Smooth unicolor epoxy floor covering	Decorative colored epoxy floor covering with colour flakes and sealer
NOMINAL THICKNESS / LAYERS	< 1 mm 2	< 1 mm 2	2 – 3 mm 2	2 mm 3
CHARACTERISTICS	■ Light to medium wear resistance ■ Surface stabilization ■ Prevent surface dusting ■ Color options	■ Good wear and abrasion resistance ■ Good chemical resistance ■ Slip resistant ■ Easy cleaning ■ Color options	■ High wear and abrasion resistance ■ Good impact resistance ■ Good chemical resistance ■ Medium thermal shock resistance ■ Easy cleaning ■ Color options	■ Light to medium wear resistance ■ Good mechanical resistance ■ Medium slip resistance optional ■ Easy cleaning ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-2510 W ■ Sikafloor®-2510 W	■ Sikafloor®-150/ -150 Plus/ -151/-1590 ■ Sikafloor®-264 Plus Thixo	■ Sikafloor®-150/ -150 Plus/ -151/-1590 ■ Sikafloor®-264 Plus	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus ■ Sika® PVA ColorFlakes 3 mm ■ Sikafloor®-169/ -316

					
SYSTEM	**Sikafloor® MultiDur EB-20**	**Sikafloor® MultiFlex PS-37 PS-37 UV**	**Sikafloor® Xolutec® XS-20**	**Sika® Ucrete® UD 200**	
					
DESCRIPTION	Broadcast unicolor epoxy floor covering	Self-smoothing, static crack-bridging, flooring system based on polyurethane (optionally as UV stable version)	Heavy-duty, lightly textured, high chemical, mechanical and temperature resistant polyurethane floor coating	Heavy-duty, lightly textured, high chemical, mechanical and temperature resistant polyurethane cementitious hybrid screed	
NOMINAL THICKNESS / LAYERS	2 – 4 mm 3	1.5 – 3 mm 2	2 – 3 mm 2	6 – 9 mm 1 – 2	
CHARACTERISTICS	■ Cold storage (> -10°C) ■ High wear resistance ■ Good mechanical resistance ■ Medium thermal shock resistance ■ Slip resistant ■ Color options	■ Good abrasion resistance ■ Static crack-bridging ■ Low odour ■ opionally. UV stable	■ Heavy duty screed, high wear resistance ■ High chemical resistance ■ Thermal shock resistance ■ Easy cleaning (steam cleaning resistant) ■ Slip resistant ■ Low VOC, low odor	■ Highly frost / blast freezing resistant (> -40°C) ■ Heavy duty screed, high wear resistance ■ High chemical resistance ■ Thermal shock resistance ■ Easy cleaning (steam cleaning resistant) ■ Slip resistant ■ Color options ■ Low VOC, low odor ■ Non-tainting from start of mixing	
SYSTEM COMPONENTS	■ Sikafloor®-150/ -150 Plus/ -151/-1590 ■ Sikafloor®-264 Plus ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-264 Plus	■ Sikafloor®-150 Plus/ -151/ -1590 ■ Sikafloor® BC 375 N ■ Optionally Sikafloor® TC 442 W	■ Sikafloor® P 922 ■ Sikafloor® BC 921	■ Sika® Ucrete® PSC ■ Sika® Ucrete® UD 200	

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

Sikafloor® SOLUTIONS FOR PRODUCTION AND PROCESSING AREAS

THE BIGGEST CHALLENGES FOR flooring systems in manufacturing facilities are generally in the production areas. These floors not only have to withstand severe exposure, including mechanical, chemical and thermal stresses, but also need to provide the right degree of slip resistance to meet health and safety requirements.

The Sika flooring systems applied in production areas are based predominantly on Cement, Epoxy and Polyurethane resin technologies, which are developed in our laboratories from more than 50 years of practical experience. For special equirements, different binder and filler systems are combined to achieve specific properties, e.g. polyurethane and cement in the Sika® Ucrete® range for high temperature and chemical resistance in wet environments.

DRY AND WET AREAS
Most production areas can be divided into 'dry' or 'wet' processing areas. Flooring systems in 'wet' process areas generally require a higher degree of slip-resistance, which must also be easily cleaned, and yet be resistant to the water and any chemical exposure. In the production areas of the food and beverage industries in particular, a clean floor is obviously of crucial importance.to facilitate the necessary hygienic working environment.

'Dry' processing areas also often require a balance or compromise to be made between ease of cleaning and slip resistance to meet the requirements for efficiency and hygiene, plus health and safety.

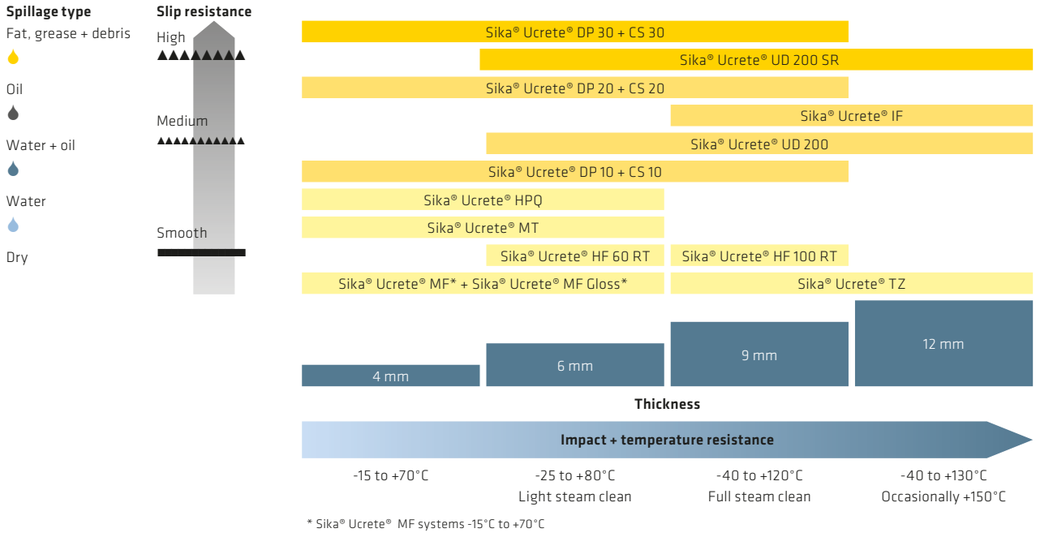
AREAS WITH EXTREME EXPOSURE (COMBINATIONS OF WET CONDITIONS, CHEMICALS, TEMPERATURES AND ABRASION)
Sika has a complete range of flooring solutions for industrial facilities that are required to be durable under extreme exposures and conditions of use. These conditions can vary from severe chemical attack with thermal shock exposure in the food industry, to high point loading and abrasion in the automotive industry.

The Sika® Ucrete® range will perform under the most demanding service environments and can meet all of these and many other different individual exposure requirements with design flexibility. This includes a full range of non-slip / anti-skid profiles.

MINIMUM DOWNTIME FOR PRODUCTION
Each day or even each hour of downtime in production can be very expensive in both new construction and in refurbishment projects. It is always therefore essential to finish all of the flooring work within the shortest possible time, but still ensuring the required performance and durability. Using fast curing Sika® Ucrete® Accelerator systems for floor maintenance and refurbishment projects can reduce down time to a minimum.
Sikafloor® systems can also be designed to withstand all of the other requirements and conditions with various degrees of slip resistance and surfaces that are easy to clean.

USING THE FAST CURING Sika® Ucrete® Accelerator SYSTEMS FOR FLOOR MAINTENANCE AND REFURBISHMENT PROJECTS CAN REDUCE DOWN TIME TO A MINIMUM.

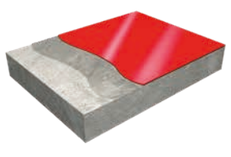
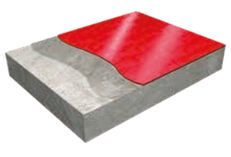
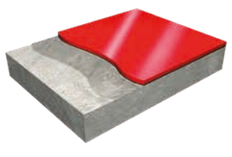
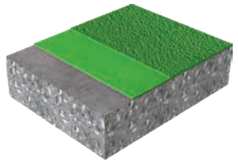
Sika® Ucrete® FLOOR SELECTOR CHART
Select your bespoke flooring system based on slip and temperature resistance needs.

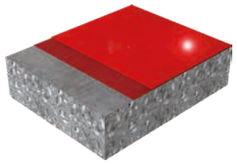
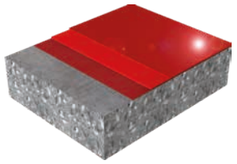
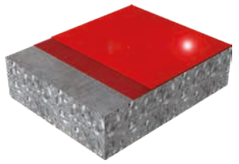
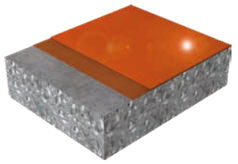


* Sika® Ucrete® MF systems -15°C to +70°C

PRODUCTION AND PROCESSING AREAS

Dry areas

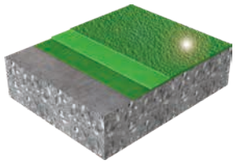
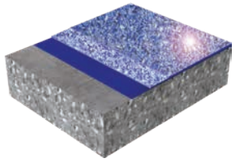
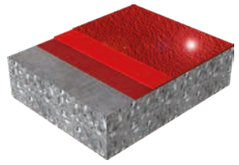
				
SYSTEM	**Sikafloor® MultiDur ES-10**	**Sikafloor® MultiDur ET-10**	**Sikafloor® MultiDur ES-30**	**Sikafloor® Xolutec® XS-20**
				
DESCRIPTION	Unicolor epoxy roller coat	Textured unicolor epoxy roller coat	Smooth unicolor epoxy floor covering	Heavy-duty, lightly textured, high chemical, mechanical and temperature resistant poly-urethane floor coating
NOMINAL THICKNESS / LAYERS	< 1 mm 2	< 1 mm 2	2 – 3 mm 2	2 – 3 mm 2
CHARACTERISTICS	■ Good wear and abrasion resistance ■ Good chemical resistance ■ Easy to clean ■ Color options	■ Good wear and abrasion resistance ■ Good chemical resistance ■ Slip resistant ■ Easy to clean ■ Color options	■ High wear and abrasion resistance ■ Good impact resistance ■ Good chemical resistance ■ Easy to clean ■ Color options	■ Heavy duty screed, high wear resistance ■ High chemical resistance ■ Thermal shock resistance ■ Easy cleaning (steam cleaning resistant) ■ Slip resistant ■ Low VOC, low odor
SYSTEM COMPONENTS	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus Thixo	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus	■ Sikafloor® P 922 ■ Sikafloor® BC 921

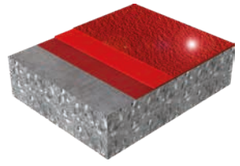
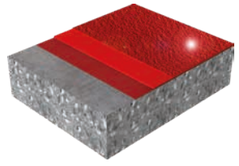
					
SYSTEM	**Sikafloor® MultiDur ES-31**	**Sikafloor® MultiDur ES-28**	**Sikafloor® MultiDur ES-40**	**Sikafloor® MultiFlex PS-37 PS-37 UV**	
					
DESCRIPTION	Smooth unicolor epoxy floor covering	Smooth unicolor epoxy floor covering	Smooth unicolor epoxy floor covering	Self-smoothing, static crack-bridging, flooring system based on polyurethane (optionally as UV stable version)	
NOMINAL THICKNESS / LAYERS	2 – 3 mm 2	2 – 3 mm 3	2 – 3 mm 2	1.5 – 3 mm 2	
CHARACTERISTICS	■ High wear resistance ■ High chemical resistance ■ Color options	■ High wear resistance ■ High chemical resistance ■ Color options	■ Crack bridging ■ High chemical resistance ■ Color options	■ Good abrasion resistance ■ Static crack-bridging ■ Low odour ■ opionally. UV stable	
SYSTEM COMPONENTS	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-381	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus ■ Sikafloor®-316	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-392	■ Sikafloor®-150 Plus/ -151/ -1590 ■ Sikafloor® BC 375 N ■ optionally Sikafloor® TC 442 W	

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

PRODUCTION AND PROCESSING AREAS

Wet areas

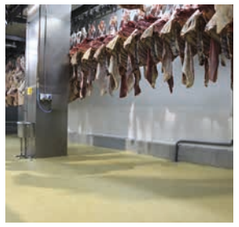
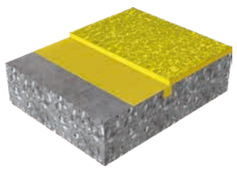
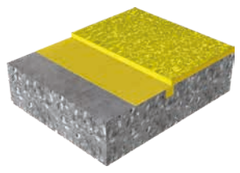
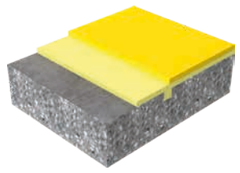
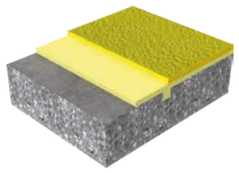
SYSTEM	Sikafloor® Xolutec® XB-20	Sikafloor® DecoDur EB-26 Quartz	Sikafloor® MultiDur EB-20
			
DESCRIPTION	Slip resistant unicolor quartz broadcasted Xolutec® floor covering	Slip resistant low VOC color quartz broadcasted epoxy floor covering	Slip resistant broadcast unicolor epoxy floor covering
NOMINAL THICKNESS / LAYERS	2 – 3 mm 3	2 – 3 mm 3	2 – 4 mm 3
CHARACTERISTICS	■ Good wear and abrasion resistance ■ Good chemical resistance ■ Slip resistant	■ Food contact compliant ■ Low particle emissions ■ Colored sand effects ■ Good mechanical resistance ■ Slip resistant ■ Low VOC	■ Cold storage (> -10°C) ■ High wear resistance ■ Good mechanical resistance ■ Slip resistant ■ Color options
SYSTEM COMPONENTS	■ Sikafloor® P 922 ■ Sikafloor® BC 921 ■ Quartz sand (0.3 – 0.8 mm) ■ Sikafloor® BC 921	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus ■ Colored quartz sand (0.3 – 0.8 / 0.7 – 1.2 mm) ■ Sikafloor®-169	■ Sikafloor®-150/ -150 Plus/ -151/-1590 ■ Sikafloor®-264 Plus ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-264 Plus

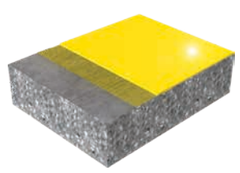
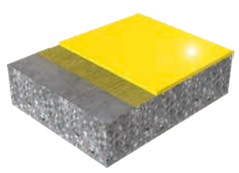
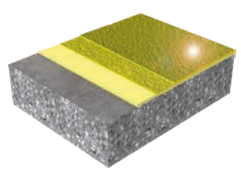
SYSTEM	Sikafloor® MultiDur EB-31	Sikafloor® MultiDur EB-40
		
DESCRIPTION	Broadcast unicolor epoxy floor covering over epoxy hybrid screed with high chemical resistance	Broadcast unicolor epoxy floor covering over epoxy hybrid screed with high chemical resistance
NOMINAL THICKNESS / LAYERS	2 – 3 mm 3	2 – 3 mm 3
CHARACTERISTICS	■ High wear ■ High chemical resistance ■ Color options	■ Crack bridging ■ High chemical resistance ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-150/ -150 Plus/ -151/-1590 ■ Sikafloor®-381 ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-381	■ Sikafloor®-156/-161/-160/ -150/-151 ■ Sikafloor®-392 ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-392

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

PRODUCTION AND PROCESSING AREAS

Extreme exposure
(Combinations of wet conditions, chemicals, temperatures and abrasion)

				
SYSTEM	**Sika® Ucrete® UD 200**	**Sika® Ucrete® UD 200 SR**	**Sika® Ucrete® MF**	**Sika® Ucrete® DP**
				
DESCRIPTION	Heavy-duty, lightly textured, high chemical, mechanical and temperature resistant polyurethane cementitious hybrid screed	Heavy-duty, lightly textured, high chemical, mechanical and temperature resistant polyurethane cementitious hybrid screed	Medium- to heavy-duty, self-leveling, smooth polyurethane cementitious hybrid screed	Medium- to heavy-duty, broadcasted, medium anti-slip polyurethane cementitious hybrid screed
NOMINAL THICKNESS / LAYERS	6 – 9 mm 1 – 2	6- 9 mm 1 – 2	4 – 6 mm 2	4 - 9 mm 2
CHARACTERISTICS	■ Highly frost / blast freezing resistant (> -40°C) ■ Heavy duty screed, high wear resistance ■ High chemical resistance ■ Thermal shock resistance ■ Easy cleaning (steam cleaning resistant) ■ Slip resistant ■ Color options ■ Low VOC, low odor ■ Non-tainting from start of mixing	■ Highly frost / blast freezing resistant (> -40°C) ■ Heavy duty screed, high wear resistance ■ High chemical resistance ■ Thermal shock resistance ■ Easy cleaning (steam cleaning resistant) ■ High Slip resistant ■ Color options ■ Low VOC, low odor ■ Non-tainting from start of mixing	■ Highly frost / blast freezing resistant (> -40°C) ■ Heavy duty screed, high wear resistance ■ High chemical resistance ■ Thermal shock resistance ■ Easy cleaning ■ Slip resistant ■ Color options ■ Low VOC, low odor ■ Non-tainting from start of mixing	■ Highly frost / blast freezing resistant (down to -40°C) ■ Heavy duty screed, high wear resistance ■ High chemical resistance ■ Thermal shock resistance ■ Hygienic ■ Slip resistant ■ Color options ■ Low VOC, low odor ■ Non-tainting from start of mixing
SYSTEM COMPONENTS	■ Sika® Ucrete® PSC ■ Sika® Ucrete® UD 200	■ Sika® Ucrete® PSC ■ Sika® Ucrete® UD 200 SR	■ Sika® Ucrete® PLC ■ Sika® Ucrete® MF	■ Sika® Ucrete® BC4/ BC6/ BC9 ■ Sika® Ucrete® F5/F20/F25 ■ Sika® Ucrete® TC

				
SYSTEM	**Sika® Ucrete® HS Gloss**	**Sika® Ucrete® MF Gloss**	**Sika® Ucrete® DP Gloss**	
				
DESCRIPTION	Medium duty, gloss and smooth finish, polyurethane cement hybrid flooring system.	Extremely durable, gloss, scratch resistant, smooth and seamless polyurethane hybrid flooring system.	Medium to Heavy duty, medium texture, broadcasted, gloss finish polyurethane hybrid flooring system.	
NOMINAL THICKNESS / LAYERS	2,5 – 4 mm 2	4– 6 mm 2	4 – 9 mm 3	
CHARACTERISTICS	■ High mechanical resistance ■ Good chemical resistance ■ Glossy and scratch resistance surface ■ Extremely low dirt pick up ■ Easy clean and maintain ■ Non-tainting, odorless during application ■ VOC free and environmental friendly ■ Tolerant to moisture in the substrate ■ Very good life cycle cost performance ■ Color options	■ Good chemical resistance ■ Dense and scratch resistance surface ■ High mechanical resistance ■ Low dirt pick up ■ Easy to clean and maintain ■ VOC free and environmental friendly ■ Non tainting, odorless during application ■ Can be applied to substrates with high moisture tolerance ■ Very good life cycle cost performance ■ Color options	■ High mechanical resistance ■ Good chemical resistance ■ Glossy and scratch resistance surface ■ Low dirt pick up ■ Easy clean and maintain ■ Tolerant to moisture in the substrate ■ Anti-slip surface ■ Very good life cycle cost performance ■ Color options	
SYSTEM COMPONENTS	■ Sika® Ucrete® PSC ■ Sika® Ucrete® HS Gloss	■ Sika® Ucrete® PLC ■ Sika® Ucrete® MF Gloss	■ Sika® Ucrete® BC4/ BC6/ BC9 ■ Sika® Ucrete® F5/F20/F25 ■ Sika® Ucrete® TC Gloss	

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

FAST CURING / RAPID INSTALLATION IN PRODUCTION AND PROCESS AREAS

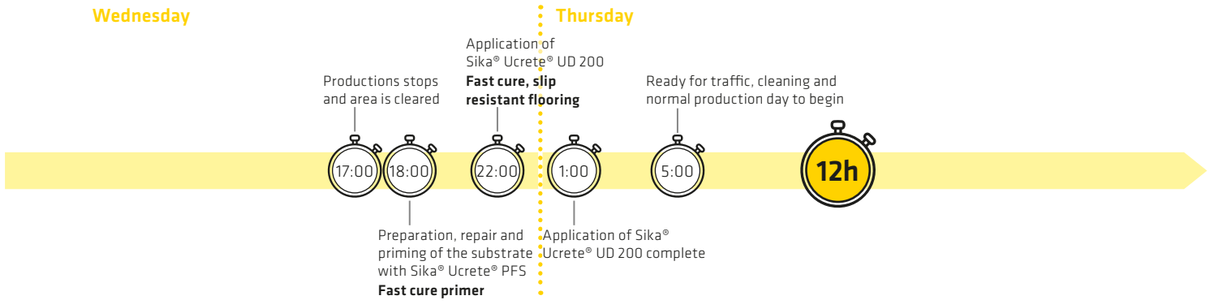
Minimum downtime for production

WE APPRECIATE that it is not always easy to close production lines, so many of our systems can be installed in weekend or even overnight application windows. By minimizing downtime, we cut the cost of upgrading your floor.

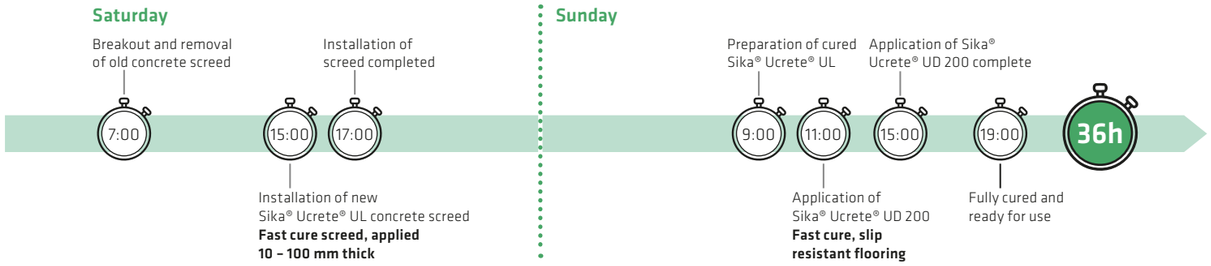
Sika® Ucrete® floors are already fast to install and cure but when combined with Sika® Ucrete® Accelerator floors can be cured and returned to service in as little as 4 hours at 100°C.

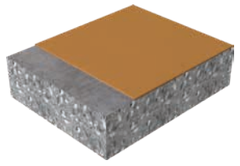
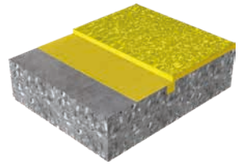
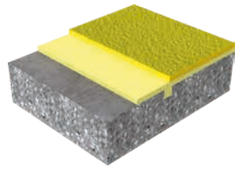
As well as being fast curing, Sika® Ucrete® can also be applied in high moisture conditions, is tolerant of site temperatures, is low emission and non-tainting of food products, even during application. These real-world Sika® Ucrete® benefits make otherwise impossible flooring repair and refurbishment, possible.

100 m² of Sika® Ucrete® UD 200 applied overnight to an existing substrate



150 m² of Sika® Ucrete® UD 200 applied over the weekend, including new substrate



SYSTEM	Sika® Ucrete® UL	Sika® Ucrete® UD 200 with Sika® Ucrete® Accelerator	Sika® Ucrete® DP with Sika® Ucrete® Accelerator
			
DESCRIPTION	Fast curing high performance cementitious underlayment for screeds to falls or self levelling under Sika® Ucrete® floor	Fast curing and return to traffic, heavy-duty, lightly textured, high chemical, mechanical and temperature resistant polyurethane cementitious hybrid screed	Fast curing and return to traffic, medium- to heavy-duty, broadcasted, antislip polyurethane cementitious hybrid screed
NOMINAL THICKNESS / LAYERS	1 – 100 mm 1	6 – 9 mm 1 – 2	4 – 9 mm 3
CHARACTERISTICS	■ Cures in 16 hours at 10°C ready for overcoating with a Sika® Ucrete® floor ■ Wet in wet slurry priming ■ Can be placed for screed to falls ■ Can be pumped for self levelling ■ Suitable for heavy duty areas ■ Can be used externally ■ High strength ■ Low shrinkage ■ Heavy duty loading	■ Cures in 4 hours at 10°C ■ Can be installed in 1 layer for fast application on small to medium sized areas ■ Highly frost / blast freezing resistant (> -40°C) ■ Heavy duty screed, ■ High wear resistance ■ High chemical resistance ■ Thermal shock resistance ■ Hygienic and steam cleaning resistant ■ High Slip resistant ■ Color options ■ Low VOC, low odor ■ Non-tainting from start of mixing	■ Cures in 4 hours at 10°C ■ Can be installed quickly on larger areas ■ Highly frost / blast freezing resistant (down to -40°C) ■ Heavy duty screed, ■ High wear resistance ■ High chemical resistance ■ Thermal shock resistance ■ Hygienic and steam cleaning resistant ■ Slip resistant ■ Color options ■ Low VOC, low odor ■ Non-tainting from start of mixing
SYSTEM COMPONENTS	■ Sika® Ucrete® UL	■ Sika® Ucrete® UD 200 with Sika® Ucrete® Accelerator	■ Sika® Ucrete® BC4/ BC6/ BC9 with Sika® Ucrete® Accelerator ■ Sika® Ucrete® F5/F20/F25 ■ Sika® Ucrete® TC with Sika® Ucrete® Accelerator

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

Sikafloor®, Sikaflex® and Sikagard® SOLUTIONS FOR CLEANROOM AREAS

IN RECENT YEARS SIKA has developed a new generation of advanced flooring, wall coating and joint sealant solutions for cleanroom environments. Manufacturing under cleanroom conditions is becoming increasingly more widespread and demanding, with particular regard to VOC / AMC emissions (Volatile Organic Compounds / Airborne Molecular Contaminants), particle emissions and biological contamination.

The number of products which have to be produced and processed under cleanroom conditions is constantly growing, from electronics and automotive components to food, pharmaceuticals and cosmetics. In many of these industries, cleanroom manufacturing plus a high degree of component cleanliness are now essential to achieve their desired product quality.

Many Sikafloor®, Sikagard® and Sikaflex® systems are the 'State of the Art' in cleanroom solutions, specifically developed and certified for cleanroom environments ranging from those in the Semi-conductor and Electronics industries to those in the Life Science industries. Therefore we are the ideal partner to help you select the best solutions for your individual processes and cleanroom requirements and with the unique CSM product qualification.

CERTIFICATION
Most of the Sikafloor®, Sikagard® and Sikaflex® systems in this brochure are tested and certified for their use in a cleanroom environment.

Furthermore, in depth test reports and proof statements are available for each certified product or system, which contain all of the relevant information regarding the testing parameters and standards. Please ask your local Sika representative for specific details and you can also refer to the public database of the Fraunhofer IPA Institute where all of the tested and certified Sika solutions are listed:
www.tested-device.com

© Fraunhofer IPA

Cleanroom® Suitable Materials
Sika AG Industrial Alliance Membership

Fraunhofer IPA Institut Produktionstechnik und Automatisierung

CLEANROOM SUITABLE MATERIALS CSM
CSM – Cleanroom Suitable Materials are the world's first standardised product qualifications according to the ISO 14644 and GMP standards for all cleanroom and life science markets.

The Fraunhofer IPA founded the Industrial Alliance CSM and organises their main work topics and coordinates the required research, including the recording and analysis of all relevant data. The aim of founding the industrial alliance "Cleanroom Suitable Materials" was to form a sound scientific basis for assessing the cleanroom suitability of materials and for determining the material selection criteria for cleanroom applications. Sika was a founding member of this alliance and plays an active role in the development of these standards and regulations.

CSM – CERTIFIED CLEANROOM SUITABLE MATERIALS FOR SPECIFIC INDUSTRIES

LIFE SCIENCE INDUSTRIES
The following industries are particularly aware of particle emissions and biological resistance according to the global GMP standard.

- Food
- Biotechnology
- Medical devices
- Pharmaceuticals

Cleanroom® Suitable Materials
Sika AG Report No. SI 1008-533
Sikafloor-269 ECF CR
Particle (vs. PAS): GMP A
Biol. Resistance: good
Flooring & Coating

3. * Chemical resistance depends very much on the process and the cleaning regime, which needs to be checked individually. Please refer to the Sikafloor® Chemical Resistance Chart available from your local Sika Organisation.

Requirements
1. Low particle emissions
2. Biological resistance
3. Chemical resistance*
4. Conductivity

Sika Solutions:
One label contains all the information for clients or specifiers working in the cleanroom industries!

ELECTRONICS AND RELATED INDUSTRIES
The following industries are particularly aware of particle and TVOC emissions according to the global ISO 14644 standard.

- Solar panels
- Hard discs
- Flat panel screens
- Semiconductors
- Optical equipment
- Microsystems
- Automotive
- Aerospace

Cleanroom® Suitable Materials
Sika AG Report No. SI 0908-494
Sikafloor-269 ECF CR
Particle (vs. PAS): ISO 4
TVOC (23°C/50°C): ISO -9.6 / tested
Flooring & Coating

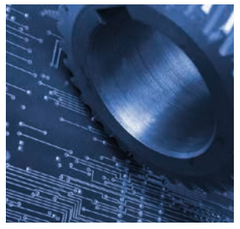
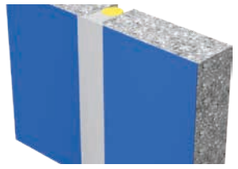
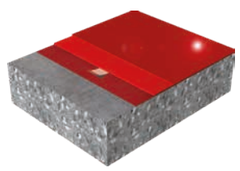
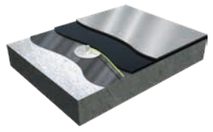
3. * Chemical resistance depends very much on the process and the cleaning regime, which needs to be checked individually. Please refer to the Sikafloor® Chemical Resistance Chart available from your local Sika Organisation.

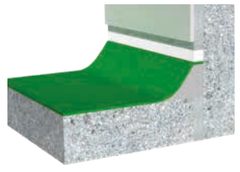
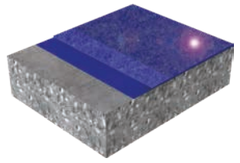
Requirements
1. Low particle emissions
2. Low VOC emissions
3. Chemical resistance*
4. Conductivity

Sika Solutions:
One label contains all the information for clients or specifiers working in the cleanroom industries!

CLEANROOM AREAS

Examples for electronic and for life science industries

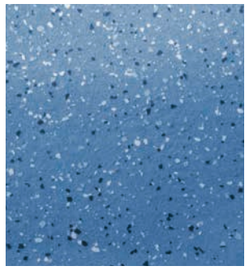
				
SYSTEM	**Sikagard® Wallcoat WS-11**	**Sikaflex® Sealant**	**Sikafloor® MultiDur ES-28 ECF/EQ**	**Sikafloor® MultiDur ES-62 ESD**
				
DESCRIPTION	Epoxy based high performance wall coating solution	1-Part polyurethane floor joint sealing solution	Smooth, Ultra-low VOC, Electric conductive floor covering	Smooth, hygienic, electrostatic discharge (ESD) epoxy floor covering
NOMINAL THICKNESS / LAYERS	< 0.5 mm 2		~ 2 mm 3	~ 2 mm 3
CHARACTERISTICS	■ ISO 14644 Compliant ■ Good chemical resistance ■ Smooth surface ■ Low VOC ■ Biological resistant ■ Color options	■ ISO 14644 Compliant ■ Good chemical resistance ■ Excellent adhesion ■ Odorless ■ Low VOC	■ ISO 14644 Compliant ■ Good chemical resistance ■ Electrostatically conductive ■ Low particle emissions ■ Smooth surface ■ Ultra low VOC ■ Color options	■ High wear and abrasion resistance ■ Good chemical resistance ■ Ultra-low emission ■ Easy to clean ■ Conductive ■ Low Body-Voltage-Generation (BVG) ■ Available in two colors
SYSTEM COMPONENTS	■ Sikagard® Wallcoat N ■ Sikagard® Wallcoat N	■ Sikaflex® PRO-3 Purform®	■ Sikafloor®-150/ -150 Plus/ -151 ■ Sika Earthing Kit ■ Sikafloor®-220 W Conductive ■ Sikafloor®-269 ECF CR	■ Sikafloor®-1355 CR ■ Sikafloor®-220 W Conductive ■ Sikafloor®-2355 ESD CR

				
SYSTEM	**Sikafloor® MultiDur ES-63 ESD**	**Sikagard® Wallcoat AL-12 Hygienic**	**Sikaflex® Sealant**	**Sikafloor® DecoDur ES-22 Granite**
				
DESCRIPTION	Smooth unicolor high performance Eelectrostatic discharge (ESD) epoxy floor covering	High performance hygienic wall coating system which does not promote growth of micro-organisms through in-film preservative	1-Part polyurethane hybrid based sealing solution for construction, connection and isolation joints	Smooth low VOC colored granite effect epoxy floor covering
NOMINAL THICKNESS / LAYERS	~ 2 mm 2	~ 1 mm 3		2 – 3 mm 3
CHARACTERISTICS	■ Good wear and abrasion resistance ■ Good chemical resistance ■ Ultra-low emission ■ Easy to clean ■ Conductive ■ Available in two colors	■ GMP Compliant ■ Biological resistance ■ Hygienic ■ Resistant to disinfectants ■ Color options	■ GMP Compliant ■ Biological resistance ■ Resistant to disinfectants	■ Food contact compliant ■ Low particle emissions ■ Colored granite effects ■ Designer aesthetics ■ Medium slip resistance optional ■ Low VOC ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-1355 CR ■ Sikafloor®-2355 ESD CR	■ Sikagard®-403 W + 5% Water ■ Sikagard®-403 W ■ Reemat premium ■ Reemat Lite ■ Sikagard®-405 W/ -406 W/-407 W	■ Sikaflex® AT Connection	■ Sikafloor-264 Plus ■ Sikafloor®-169 ■ Sikafloor®-DecoFiller ■ Sikafloor®-304 W

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

Sikafloor®
DECORATIVE SOLUTIONS

THE DECORATIVE FLOORING SOLUTIONS from Sika allow the creation of an almost unlimited combination of functional and aesthetic requirements. The results of this flexibility in design are rooms so unique and distinctive that people really like and appreciate living and working there.

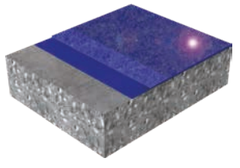
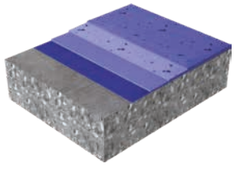
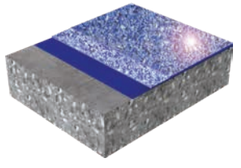
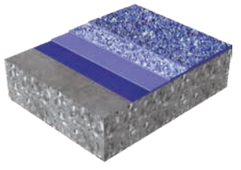


BROADCAST FLAKE

FULL FLAKE

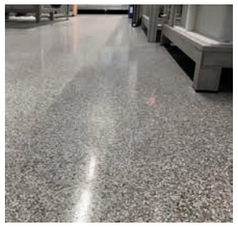
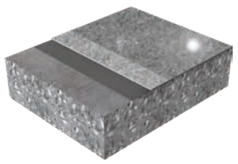
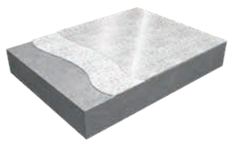
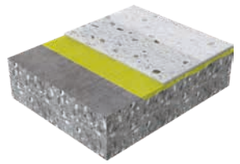
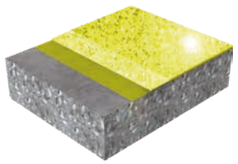
GRANITE

COMPACT / QUARTZ

				
SYSTEM	**Sikafloor® DecoDur ES-22 Granite**	**Sikafloor® DecoDur ES-26 Flake**	**Sikafloor® DecoDur EB-26 Quartz**	**Sikafloor® DecoDur EM-21 Compact**
				
DESCRIPTION	Smooth low VOC colored granite effect epoxy floor covering	Smooth low VOC colored full flaked epoxy floor covering	Slip resistant low VOC color quartz broadcasted epoxy floor covering	Smooth high resistant power floated broadcast color quartz epoxy screed
NOMINAL THICKNESS / LAYERS	2 – 3 mm 3	2 – 3 mm 4	2 – 3 mm 3	~ 3 mm 4
CHARACTERISTICS	■ Food contact compliant ■ Low particle emissions ■ Colored granite effects ■ Designer aesthetics ■ Medium slip resistance optional ■ Low VOC ■ Color options	■ Food contact compliant ■ Low particle emissions ■ Colored flake effects ■ Medium slip resistance optional ■ Low VOC ■ Color options	■ Food contact compliant ■ Low particle emissions ■ Colored sand effects ■ Good mechanical resistance ■ Slip resistant ■ Low VOC ■ Color options	■ Food contact compliant ■ Low particle emissions ■ Colored sand effects ■ High mechanical resistance ■ High impact resistance ■ Slip resistance optional ■ Low VOC ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-264 Plus ■ Sikafloor®-169 ■ Sikafloor®-DecoFiller ■ Sikafloor®-304 W/ -316	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus ■ Sika® PVA ColorFlakes (3 mm) ■ Sikafloor®-169 ■ Sikafloor®-304 W/ -316	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus ■ Colored quartz sand (0.3 – 0.8 / 0.7 – 1.2 mm) ■ Sikafloor®-169	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-169 ■ Sika® PU Colored Quartz CF (0.3 – 1,2 mm) ■ Sikafloor® CompactFiller ■ Sikafloor®-304 W/ -316

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

Sikafloor®
TERRAZZO SOLUTIONS

				
SYSTEM	**Sikafloor® Terrazzo EM-10**	**Sikafloor® Terrazzo CS-32**	**SikaScreed®-45 Terrazzo**	**Sika® Ucrete® TZ**
				
DESCRIPTION	Smooth low VOC colored granite effect epoxy floor covering	Highly durable, decorative concrete flooring system, based on dryshake hardeners, ground and polished with aggregate exposure	Highly decorative and durable cementitious Terrazzo flooring system, based on cementitious binders and decorative aggregates	Heavy-duty, smooth, high chemical, mechanical and temperature resistant polyurethane cementitious hybrid terrazzo
NOMINAL THICKNESS / LAYERS	9 – 11 mm 3	2.5 – 4 mm 2 – 3	10 – 50 mm 4	9 mm 3
CHARACTERISTICS	■ Food contact compliant ■ Low particle emissions ■ Colored granite effects ■ Designer aesthetics ■ Medium slip resistance optional ■ Low VOC ■ Color options	■ Decorative and economic surface solution with high mechanical and wear resistance ■ Patented multilayer dry shake application ■ 7 steps polishing withing 7 - 10 days to grade 2 ■ Low dust solution ■ Ligh colors help improve natural lighting	■ Very low shrinkage and low tension ■ Easy to mix using forced-action mixers ■ Easy to apply, nearly self-leveling ■ Time saving- grinding after 20 hours ■ White, slightly grey base color, custom colors with inorganic pigments ■ Versatile design possibilities through individual coloring and aggregates ■ Can be combined with SikaScreed® low-shrinkage, load-distributing screeds for complete rapid solutions ■ VOC-free cementitious binder ■ EC1^{PLUS} EMICODE	■ Decorative industrial terrazzo ■ Suitable for clean rooms ■ Hygienic and does not support bacterial growth ■ Heavy duty screed, high wear resistance ■ High chemical resistance ■ Thermal shock resistance ■ Easy cleaning (steam cleaning resistant) ■ Color options ■ Low VOC, low odor ■ Non-tainting from start of mixing
SYSTEM COMPONENTS	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-169 or Sikafloor®-2640 ■ Terrazzo Marble Dust + Terrazzo Aggregate Mix	■ Sikafloor®-/ Sikafloor®-XXX QuartzTop/ SynTop/ Chapdur/ Design ■ Sikafloor®-931 Finishing Aid ■ Sikafloor®-958 PG	■ Sikafloor®-151 fully broadcasted ■ SikaScreed®-45 Terrazzo Binder + aggregate ■ SikaScreed®-46 Terrazzo Filler ■ Sikagard®-915 or Sikafloor® -958 PG	■ Sika® Ucrete® PSC ■ Sika® Ucrete® TZ ■ Sika® Ucrete® TCPU Clear

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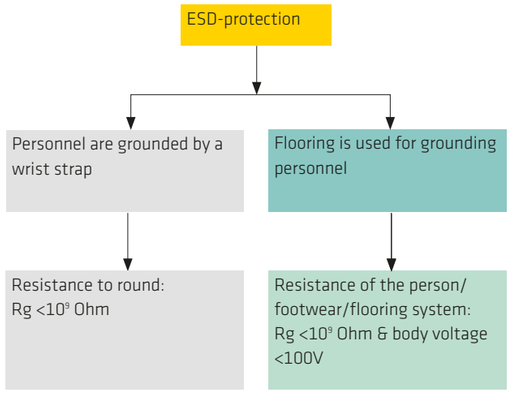
Sikafloor® SOLUTIONS FOR ELECTRO STATIC DISCHARGE (ESD) PROTECTION AND CONTROL

EVEN WHEN AREAS AND PEOPLE are equipped to handle such static-sensitive devices, inadvertent contact and damage can occur. Sikafloor® ESD (Electro Static Discharge), DIF (Dissipative Flooring) and ECF (Electrically Conductive Flooring) systems, can safeguard your entire process. These systems can be designed to produce a floor tailored to meet your specific needs.

RESISTANCE RANGES ACCORDING TO IEC 61340-5-1 OR ANSI/ESD S 20.20



SPECIFICATION

None of the specific conductivity or electrical resistance values mentioned in any of the International or National Standards in the table shown here are mandatory. The values can be adapted to meet local requirements by the responsible authorities. Before applying an ESD or dissipative/conductive flooring system, Sika always recommends a detailed assessment of at least the following parameters, then the most appropriate values can be determined and agreed by all of the parties involved:

- Limits for the electrical resistance and body voltage generation
- Methods and conditions of measurement
- Equipment to make these measurements
- Any applicable standards or specifications

WHAT IS AN ESD EVENT AND WHAT DOES IT DO?

An ESD event is an Electrostatic Discharge. This is basically a spark (a micro lightning-bolt in effect), which passes from one charged conductive surface to another. This incredibly rapid transfer of what had previously been a static (non-moving) charge can cause fires or explosions, create heat, light and even sounds. It is this potentially unseen, unfelt or unheard 'micro lightning' spark that can occur without warning, which must be prevented or controlled.

DEFINITION: CONDUCTIVE/DISSIPATIVE FLOORING MATERIAL (ECF/DIF)

- Conductivity refers to the ability of a material to conduct a charge to ground. In non-absolute technical terms, this means its ability to conduct an electrical current.
- Conductive floors and electrostatic dissipative floors are classified according to their electrical resistance to ground.

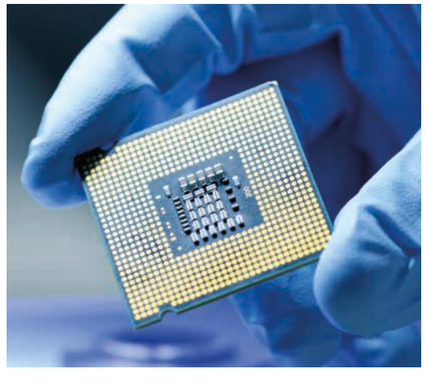
Conductive Flooring Material (ECF)
(e.g. according to ASTM F150) A floor material that has a resistance to ground between 2.5 x 10^4 and 1.0 x 10^6 ohms

Dissipative Flooring Material (DIF)
(e.g. according to ASTM F150) A floor material that has a resistance to ground between 1.0 x 10^6 to 1.0 x 10^9 ohms

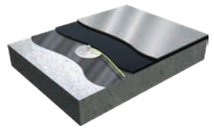
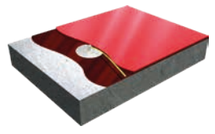
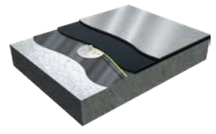
GLOBAL SOLUTIONS

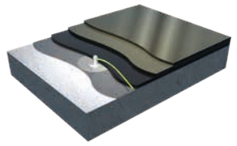
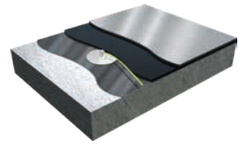
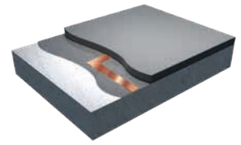
Systems:	DIN EN 1081	IEC 61340-5-1 (IEC 61340-4-5) System Test: < 10^9 Ω	IEC 61340-5-1 (IEC 61340-4-5) Walking Test (BVG) < 100 Volt	IEC 61340-5-1 (IEC 61340-4-1) Resistance to Ground RG < 10^9 Ω	ATEX 137 / TRBS 727 European Standard Resistance to Ground RG < 10^8 Ω	DIN VDE 0100-410 (IEC 60364-4-41) Isolation Resistance > 50 kΩ
Smooth and textured, hygienic ECF floors						
Sikafloor®-262 AS N	▲	–	–	▲	▲	
Sikafloor®-262 AS Thixo	▲	–	–	▲	▲	
Sikafloor®-375 NAS	▲			▲	▲	
High chemical resistance						
Sikafloor®-381 ECF	▲	–	–	▲	▲	
Sikafloor®-392 ECF	▲	–	–	▲	▲	
Approved for clean rooms						
Sikafloor®-269 ECF CR	▲	–	–	▲	▲	
Sikafloor®-2355 ESD CR	▲	▲	▲	▲	▲	
Food and Pharma Industry						
Sika® Ucrete® MF 40 AS	▲	▲	▲	▲	▲	
ESD systems with very low body voltage generation						
Sikafloor®-2350 ESD	▲	▲	▲	▲	▲	
Sikafloor®-262 AS N + Sikafloor®-305 W ESD	▲	▲	▲	▲	▲	
Sikafloor®-264 Plus + Sikafloor®-305 W ESD	▲	▲	▲	▲	▲	

Any insulating self-smoothing layers e.g. Sikafloor®-264 Plus



Sikafloor® SOLUTIONS FOR ELECTRO STATIC DISCHARGE (ESD) PROTECTION AND CONTROL

				
SYSTEM	**Sikafloor® MultiDur ES-62 ESD**	**Sikafloor® MultiDur ES-63 ESD**	**Sikafloor® MultiDur ES-55 ESD**	**Sikafloor® MultiDur ES-56 ESD**
				
DESCRIPTION	Smooth, hygienic, electro-static discharge (ESD) epoxy floor covering	Smooth unicolor high per-formance Eelectrostatic discharge (ESD) epoxy floor covering	Smooth unicolor high performance electrostatic discharge (ESD) epoxy floor covering	Smooth unicolor high per-formance electrostatic dis-charge (ESD) epoxy floor covering
NOMINAL THICKNESS / LAYERS	~ 2 mm 3	~ 2 mm 2	~ 2 mm 2	~ 2 mm 3
CHARACTERISTICS	■ High wear and abrasion resistance ■ Good chemical resistance ■ Ultra-low emission ■ Easy to clean ■ Conductive ■ Low Body-Voltage-Generation (BVG) ■ Available in two colors	■ Good wear and abrasion resistance ■ Good chemical resistance ■ Ultra-low emission ■ Easy to clean ■ Conductive ■ Available in two colors	■ Good wear and abrasion resistance ■ Good chemical resistance ■ Easy to clean ■ Low emission ■ Conductive ■ Conforms to the requirements of ANSI/ ESD S20.20 and IEC 61340-5-1 ■ Color options	■ Good wear and abrasion resistance ■ Good chemical resistance ■ Easy to clean ■ Low emission ■ Conductive ■ Conforms to the requirements of ANSI/ ESD S20.20 and IEC 61340-5-1 ■ Low Body-Voltage-Generation (BVG) ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-1355 CR ■ Sikafloor®-220 W Conductive ■ Sikafloor®-2355 ESD CR	■ Sikafloor®-1355 CR ■ Sikafloor®-2355 ESD CR	■ Sikafloor®-150 Plus/ -151/ -1590 ■ Sikafloor®-2350 ESD	■ Sikafloor®-150 Plus/ -151 ■ Sikafloor®-220 W Conductive ■ Sikafloor®-2350 ESD

			
SYSTEM	**Sikafloor® MultiFlex PS-35 ESD**	**Sikafloor® MultiFlex® PS-34 ECF**	**Sika® Ucrete® MF 40 AS**
			
DESCRIPTION	Seamless, smooth, low voc, tough elastic ESD polyure-thane floor covering	Seamless, smooth, low voc, tough elastic ECF polyure-thane floor covering	Smooth, hygienic, electro-static discharge (ESD) and electrically conductive (ECF) heavy duty industrial
NOMINAL THICKNESS / LAYERS	~ 2 mm 4	~ 2 mm 3	4-6 mm 2
CHARACTERISTICS	■ Very low VOC emissions ■ Water based ■ Easy to apply ■ Easy to refurbish, can be overcoated directly with the same top coat ■ Low odor ■ Good UV resistance ■ Easy to clean ■ Conforms to the require-ments of ANSI/ESD S20.20 and IEC 61340-5-1 ■ Matt surface	■ Good wear and abrasion resistance ■ Good chemical resistance ■ Easy to apply ■ Easy to clean ■ Color options	■ Electrostatically conduc-tive (EN63140/ EN 1081) ■ R10 slip resistance ■ Resistant to bacterial or mould growth ■ Easy to clean ■ Good resistance to abrasion ■ Good resistance to specific chemicals ■ Good temperature resistance ■ Very low VOC emission ■ Tolerant to substrates with high moisture content
SYSTEM COMPONENTS	■ Sikafloor®-150 Plus /-151 /-922 ■ Sikafloor®-220 W Conductive ■ Sikafloor®-375 NAS ■ Sikafloor®-305 W ESD	■ Sikafloor®-150 Plus /-151 /-922 ■ Sikafloor®-220 W Conductive ■ Sikafloor®-375 NAS	■ Sika® Ucrete® PLC ■ Sika® Ucrete® MF 40 AS

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

Sika® FloorJoint SOLUTIONS

Hardly any vibrations noticeable and quick return to service

Sika® FloorJoint – THE ULTIMATE JOINT SOLUTION
Structures are designed with expansion and contraction joints at appropriate places to allow inevitable movements. The design of the joint is important for the overall design to function correctly. Sika provides a huge range of elastic joint sealants to seal and protect joints in walls and ceilings. However, joints in floor substrates have to withstand a lot of different stress: direct traffic with heavy forklifts or cars, chemical attacks and mechanical abrasion, etc. Often a floor joint also has to be waterproof to protect the substrate from corrosion. Ordinary joint solutions with a joint sealant or with metal profiles aren't resistant enough to withstand this stress and might fail after a short time.
The Sika® FloorJoint range is designed to meet those demands under various exposures. Furthermore Sika® FloorJoint provides many unprecedented advantages.

DESCRIPTION
Sika® FloorJoint is a prefabricated, carbon fiber reinforced polymer composite floor panel system with high mechanical resistance. Its wave like joint design permits improved load distribution and results in minimum vibrations under direct car and forklift traffic.
Sika® FloorJoint panels are used for the installation and refurbishment of joints in concrete slabs and concrete screeds. They can be used for parking lot decks, garage floors, ramps, inside storage areas and assembly halls, maintenance workshops, hospitals, schools and warehouses with normal to medium wear. The different models in the Sika® FloorJoint range meet the various demands in each area.

CHARACTERISTICS / ADVANTAGES
- 100% waterproof when installed with Sikadur-Combiflex®
- No corrosion, free of metal
- Grindable profile for level integration into the floor surface
- Hardly any vibrations noticeable under direct car and forklift traffic

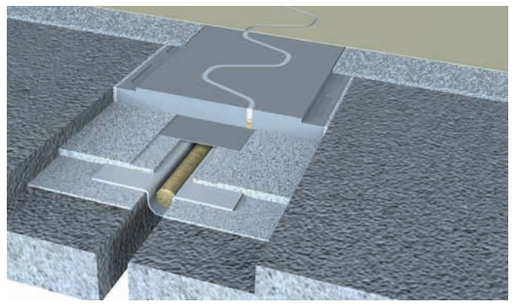
- Significant reduction of wear with components such as wheel bearings, etc. from forklifts
- High mechanical and chemical resistance
- Easy application with the screed or resin applicator
- No welding, easy detailing, easy to repair
- Waterproofing solution for the connection between horizontal and vertical construction elements
- Bonded with Sika adhesives without screws
- Thin installation
- Short downtime
- Overcoatable with resinous coatings
- Waterproof connection flange
- Fire resistant

FUNCTIONALITY AND SAFETY IN MULTI-STORY PARKING LOTS
Floor joints in parking garages and parking decks are a major challenge in both new buildings and when refurbishing existing structures. Watertightness is one of the key factors in parking structures. With their connection flanges Sika® FloorJoint PD and Sika® FloorJoint PDRS combined with Sikadur- Combiflex® systems provide 100% watertightness. Furthermore, in modern buildings, esthetics and noise reduction play an increasingly important role. Traditional metal solutions have clear limits in cases where a complicated joint line is present, or when noise reduction is required. Here the Sika® FloorJoint PD joint panel proves its strengths. The carbon fiber reinforced polymer concrete prefabricated panel fits seamlessly and virtually invisibly to the adjacent resin coverings.
In areas where ramps and floors connect, vertical movement in joints can occur. Also, greater vertical joint movement can be caused by long floor slabs. In such cases Sika® FloorJoint PDRS is the perfect solution. The concentric incorporated rubber seal allows for more movement and protects the joint and Sikadur-Combiflex® system from damage.
Parking lot top decks are mostly uncovered. Due to the temperature delta from summer to winter we have to expect higher elongation of the concrete screed than in covered parking decks or underground parking lots. The value of joint movement has to be calculated by the engineer, which then indicates the right choice between Sika® FloorJoint PD or PDRS. Normally Sika® FloorJoint PDRS is more suitable for outdoor application due to its higher absorption of movement.

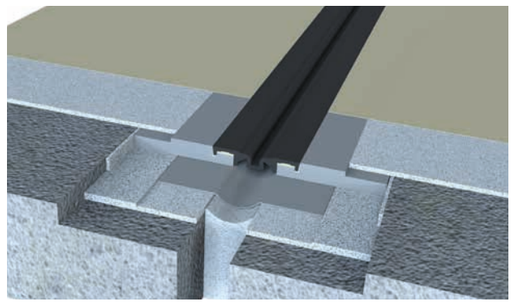
HEAVY FORKLIFT TRAFFIC IN INDUSTRIAL ENVIRONMENTS
Floor joints in industrial areas equipped with conventional steel profiles or only with a joint sealant are subject to heavy loads when they are driven over by forklifts. Such joints are never absolutely flat and they can cause noise, vibration and impact on wheel bearings. This causes the forklifts to suffer and can contribute to high wear of parts. When transporting fragile or sensitive goods, it is crucial to avoid vibrations so as not to damage them. The Sika® FloorJoint-XS and -EX joint systems are the perfect solutions. The prefabricated, carbon fiber reinforced polymer concrete profile can be installed absolutely flat. Only the joint sealant may be slightly raised. Its wavelike joint design permits improved load distribution. The result is a noiseless and nearly vibration-free ride suitable for all kinds of forklifts. In areas where goods are transported with AGVs (automatic guided vehicles) or air cushion transport systems, requirements are met for evenness and less vibration with Sika® FloorJoint.

SMALLER JOINTS IN VIBRATION SENSITIVE AREAS
Hospital corridors, professional kitchens, precision mechanical industry and many other application fields also need absolutely flat floors and can't accept vibrations when rolling over joints. Imagine a hospital bed with an injured patient getting shaken each time when rolling over a defective floor joint or if a trolley full of parts for exclusive clockwork judders over every floor joint. In such areas the temperature is stable and the joint movement is small. The convenient Sika® FloorJoint XS provides a cost-effective solution that can be trafficked silently and with hardly any vibrations noticeable.

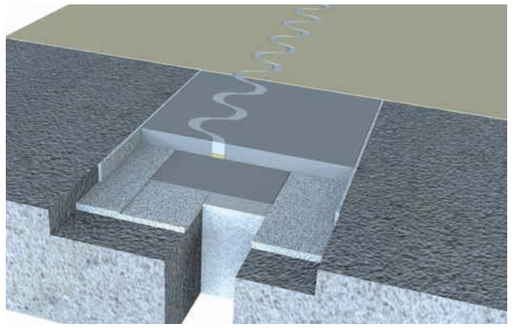
Sika® FloorJoint PD



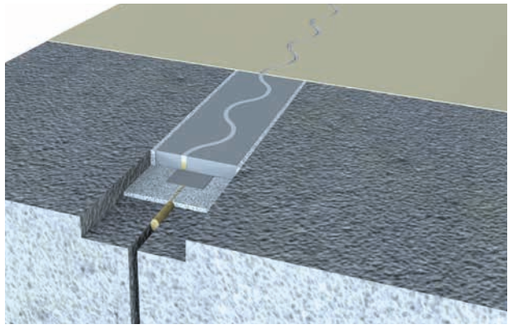
Sika® FloorJoint PDRS



Sika® FloorJoint EX



Sika® FloorJoint XS



Sikafloor® SOLUTIONS FOR MULTI-STOREY AND UNDERGROUND CAR PARKS

PARKING STRUCTURES TODAY
Parking has become a vital part of today's mobile community, especially in metropolitan areas including airports, all of which are growing at an ever faster rate. This means continually providing more parking spaces by building new car parks and frequently extending and refurbishing existing ones.

WHERE DO YOU LIKE TO PARK?
Successful parking structures are designed to meet the users' demands, which include feeling safe and welcome, plus knowing that their cars are in a secure environment. Given the choice, people always park in a brightly lit car park, where they feel their property is best looked after and safe.

INVESTIGATION AND SURVEY OF EXISTING PARKING STRUCTURES
Multi-storey and underground car parks are both subject to many different stresses. In order to discover the root causes of distress and deterioration, it is therefore essential to carry out a professional condition survey and assessment. It is obviously important to balance the cost of the investigative work with the benefits that the derived information will provide; but an appropriate survey and assessment is often key to successfully maintaining and extending the service life of an existing parking structure.

NEW BUILD
Modern parking structures are essential and integrated into a cities' architecture. They are frequently built using 'fast-track' construction techniques, with as much off-site construction as possible, to reduce the disruption in these areas.

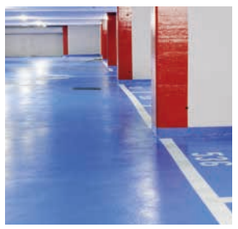
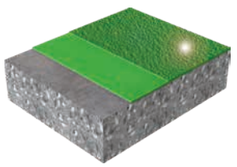
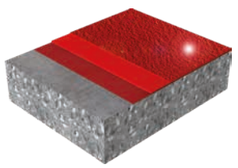
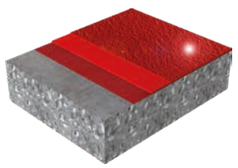
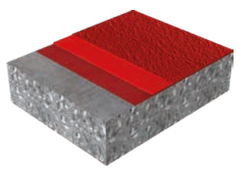
Therefore precast and prefabricated sections of steel frames with reinforced concrete decks and stairways are usually combined in composite structures for new car parks. The adequate protection of new build car parks will prevent cost intensive refurbishment being required in the future.

REFURBISHMENT
Most of Europe's existing multi-storey car parks have been built since 1950 and they are predominantly of reinforced concrete construction, many of which have a history of early deterioration, structural defects and shortcomings in safety. This is due to poor design, poor construction, low standards of maintenance and repair, or a combination of all three. Their exposure is more similar to that of bridges than the building codes they were designed to, and as a result they have deteriorated quickly, particularly due to reinforcement corrosion following the ingress of water and de-icing salts. The closure of many areas and even whole car parks for costly repair or replacement has been necessary. These bad experiences have served to emphasise the need for improved performance in car park design, construction and the materials used, in order to ensure the increased durability and safety of both new and existing structures.

THE ADEQUATE PROTECTION OF NEW BUILD CAR PARKS WILL PREVENT COST INTENSIVE REFURBISHMENT BEING REQUIRED IN THE FUTURE.

MULTI-STOREY AND UNDERGROUND CAR PARKS

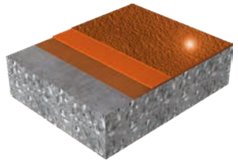
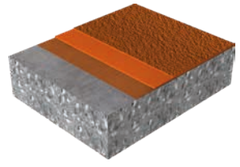
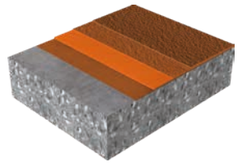
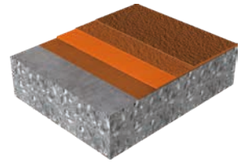
Systems for ground bearing slabs

				
SYSTEM	**Sikafloor® Xolutec® XB-10**	**Sikafloor® MultiDur EB-10 ECC**	**Sikafloor® MultiDur EB-20**	**Sikafloor® MultiDur WB-18 ECC**
				
DESCRIPTION	Broadcast unicolor floor covering based on Xolutec technology	Broadcast unicolour epoxy floor covering thin layer over epoxy hybrid screed	Broadcast unicolor epoxy floor covering	Double water based epoxy roller coat
NOMINAL THICKNESS / LAYERS	2 - 3 mm 2	2 – 4 mm 3	2 – 4 mm 3	2 – 4 mm 3
CHARACTERISTICS	■ Fast curing ■ Very good mechanical resistance ■ Very good blush resistance ■ Low Odour ■ Slip resistant	■ Cold storage (> -10°C) ■ High wear resistance ■ Good mechanical resistance ■ Medium thermal shock resistance ■ Slip resistant ■ Color options	■ Cold storage (> -10°C) ■ High wear resistance ■ Good mechanical resistance ■ Medium thermal shock resistance ■ Slip resistant ■ Color options	■ High wear resistance ■ Good mechanical esistance ■ Slip resistant ■ Color options
SYSTEM COMPONENTS	■ Sikafloor® BC 923 ■ Quartz sand (0.3 – 0.8 mm) ■ Sikafloor® BC 923	■ Sikafloor® EpoCem® Modul / -155 WN ■ Sikafloor®-81 EpoCem® ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-264 Plus	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-264 Plus	■ Sikafloor® EpoCem® Modul/ -155 WN ■ Sikafloor®-81 EpoCem® ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-2510 W

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

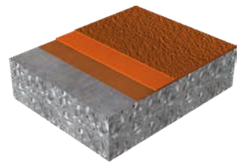
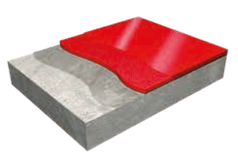
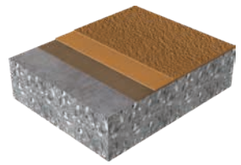
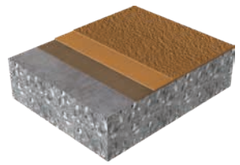
Systems for intermediate decks

Elastic Sikafloor® systems

				
SYSTEM	**Sikafloor® MultiFlex PB-57**	**Sikafloor® MultiFlex PB-74**	**Sikafloor® MultiFlex PB-73**	**Sikafloor® MultiFlex PB-76**
				
DESCRIPTION	Broadcast unicolor high performance polyurethane floor covering	Broadcast colored crack bridging system	Broadcast colored crack bridging system	Broadcast car park deck flooring and waterproofing system
NOMINAL THICKNESS / LAYERS	2 – 3 mm 3	3 – 4 mm 3	3 – 5 mm 4	3 – 5 mm 4
CHARACTERISTICS	■ Static crack bridging properties (> -10°C) ■ Meets German Standard OS 13 ■ Abrasion resistance ■ Waterproofing ■ Color options	■ Wear resistance ■ Waterproofing ■ Slip resistance ■ High flexibility ■ Meets German Standard OS 11b ■ Crack bridging at low temperature ■ Color options	■ Wear resistance ■ Waterproofing ■ Slip resistance ■ Meets German Standard OS 11a ■ Very high flexibility / crack bridging at low temperature ■ Color options	■ Wear resistance ■ Slip resistance ■ High flexibility ■ Meets German Standard OS 10 ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-150/ -150 Plus/ -151/-1590 ■ Sikafloor®-377 ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor®-2640	■ Sikafloor®-150/ -150 Plus/ -151/-1590 ■ Sikafloor®-376 ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-2640	■ Sikafloor®-150/ -150 Plus/ -151/-1590 ■ Sikafloor®-376 ■ Sikafloor®-377 ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-2640	■ Sikafloor®-150/ -150 Plus/ -151/-1590 ■ Sikalastic®-8800 ■ Sikafloor®-395 Elastomastic ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-2640

MULTI-STOREY AND UNDERGROUND CAR PARKS

Systems for intermediate decks

	Tough elastic and rigid Sikafloor® systems		Fast elastic Sikafloor® systems	
				
SYSTEM	**Sikafloor® MultiFlex PB-37**	**Sikafloor® MultiDur EB-30**	**Sikafloor® Pronto RB-25**	**Sikafloor® Pronto RB-28**
				
DESCRIPTION	Broadcast unicolor tough elastic polyurethane floor covering	Slip resistant broadcast unicolor epoxy floor covering	Elastomeric waterproofing system for flooring applications	Crack bridging waterproofing system for flooring applications
NOMINAL THICKNESS / LAYERS	2 – 3 mm 3	2 – 4 mm 3	3 – 5 mm 3	3 – 5 mm 3
CHARACTERISTICS	■ Static crack bridging properties ■ Abrasion resistance ■ Waterproofing ■ Slip resistance ■ Color options	■ Cold storage (> -10°C) ■ High wear resistance ■ Good mechanical resistance ■ Slip resistance ■ Color options	■ Crack bridging ■ Rapid curing ■ Good wear resistance ■ Good chemical resistance ■ Slip resistance ■ Color options	■ Rapid curing ■ Crack bridging ■ Medium wearing resistance ■ Waterproofing ■ Slip resistance ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor® BC 375 N ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor® BC 375 N	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus/ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-264 Plus	■ Sikafloor®-10 Pronto N ■ Sikafloor®-15 Pronto N ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor® 18-Pronto	■ Sikafloor®-10 Pronto N ■ Sikafloor®-32 Pronto ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor®-18 Pronto

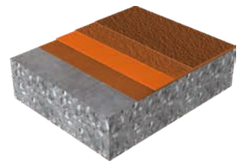
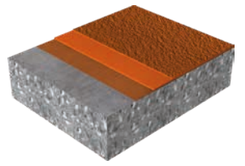
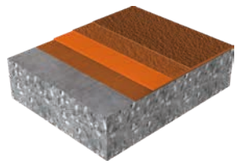
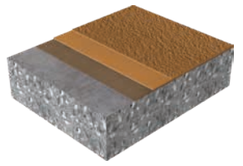
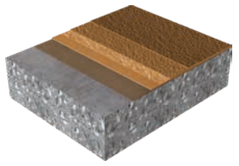
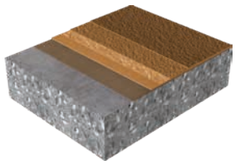
* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

FLOORING SYSTEMS FOR TOP DECKS AND EXPOSED AREAS

Because of their exposure to the elements, the top decks and externally exposed areas of parking structures suffer not only from the diverse stresses of vehicular traffic and chemical attack, but the seasonal and daily thermal variations and fluctuations which cause significant dimensional changes in the structure and its components. The Sikafloor® parking structure systems are specifically designed to accommodate and where possible to absorb this stress and ensure the waterproofing and protection are maintained durably over time. In these exposed areas it is of course very important to properly plan the drainage and also the color of the decks. Lighter colors have higher solar reflectance and can therefore help in keeping a building cool. Sika provides system solutions for every application area and exposure requirements.

Highly crack bridging systems based on polyurethane resin, are Sikafloor® Multiflex PB-55 UV, PB-56 UV and PB-58 UV, which have UV stable top coats and also good color retention over time.

Additionally, in order to be as weather independent as possible during the application period or when a fast return to service during refurbishment is needed, Sika also provides alternative rapid hardening, methacrylate based coating systems, Sikafloor® Pronto RB-28 and RB-55, plus the highest performance Sikafloor® Pronto RB-58 system. This system has the highest dynamic crack bridging capabilities in accordance with class B 4.2 of DIN -EN 1062-7 in combination with its tough and resilient, UV resistant top coat.

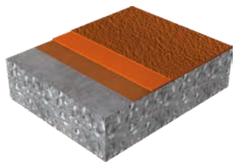
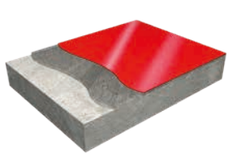
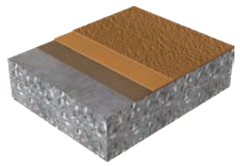
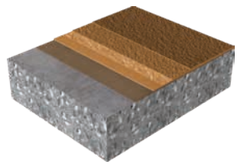
	Elastic Sikafloor® systems			Fast elastic Sikafloor® systems		
						
SYSTEM	**Sikafloor® MultiFlex PB-55 UV**	**Sikafloor® MultiFlex PB-56 UV**	**Sikafloor® MultiFlex PB-58 UV**	**Sikafloor® Pronto RB-28**	**Sikafloor® Pronto RB-55**	**Sikafloor® Pronto RB-58**
						
DESCRIPTION	Broadcast car park deck flooring and waterproofing system with UV sealer	Broadcast colored crack bridging system with UV sealer	Broadcast car park deck flooring and waterproofing system with top sealer over elastic membrane	Crack bridging waterproofing system for flooring applications	Highly elastometic waterproofing system for flooring applications	Extremely crack bridging waterproofing system for flooring applications
NOMINAL THICKNESS / LAYERS	3 – 5 mm 4	3 – 4 mm 3	3 – 5 mm 4	3 – 5 mm 3	5 – 7 mm 4	5 – 7 mm 4
CHARACTERISTICS	■ Dynamic and static crack bridging properties (> -20°C) ■ Meets German Standard OS-11a ■ Abrasion resistance ■ Waterproofing ■ Color options	■ Dynamic and static crack bridging properties (> -20°C) ■ Meets German Standard OS-11b ■ Abrasion resistance ■ Waterproofing ■ Color options	■ Wear resistance ■ Slip resistance ■ High flexibility ■ UV stability ■ Color options ■ Meets German Standard OS 10	■ Rapid curing ■ Crack bridging ■ Medium wearing resistance ■ Waterproofing ■ Slip resistance ■ Color options	■ Highly crack bridging ■ Rapid curing ■ Good wear resistance ■ Good chemical resistance ■ Slip resistance ■ Color options	■ Dynamic and static crack bridging properties (> -20°C) ■ Extremely crack bridging, low temperature flexibility ■ Meets German Standard OS-10 ■ Waterproofing ■ Slip resistance ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-376 ■ Sikafloor®-377 ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor®-359 N	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-376 ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-359 N	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikalastic®-851 ■ Sikafloor®-377 ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor®-359 N	■ Sikafloor®-10 Pronto N ■ Sikafloor®-32 Pronto ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor®-18 Pronto	■ Sikafloor®-10 Pronto N ■ Sikafloor® 15 Pronto N ■ Sika® Reemat Premiuim ■ Sikafloor® 15 Pronto N ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor®-18 Pronto	■ Sikafloor®-10 Pronto N ■ Sikafloor®-32 Pronto ■ Sika® Reemat Premium ■ Sikafloor®-32 Pronto ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor®-18 Pronto

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

MULTI-STOREY AND UNDERGROUND CAR PARKS

Systems for ramps




SYSTEM	Sikafloor® MultiFlex PB-37	Sikafloor® MultiDur EB-10	Sikafloor® Pronto RB-25	Sikafloor® Pronto RB-55
				
DESCRIPTION	Broadcast unicolor tough elastic polyurethane floor covering with UV sealer	Broadcast unicolor epoxy florr covering	Elastomeric waterproofing system for flooring applications	Highly elastometic waterproofing system for flooring applications
NOMINAL THICKNESS / LAYERS	2 – 3 mm 3	2 - 3 mm 2	3 – 5 mm 3	5 – 7 mm 4
CHARACTERISTICS	■ Static crack bridging properties ■ Abrasion resistance ■ Slip resistance ■ Color options ■ UV stability	■ Cold storage (> -10°C) ■ Highwear resistance ■ Good mechanical resistance ■ Medium thermal shock resistance ■ Meets German Standard OS-8 ■ Slip resistance ■ Color options	■ Crack bridging ■ Rapid curing ■ Good wear resistance ■ Good chemical resistance ■ Slip resistant ■ Color options	■ Highly crack bridging ■ Rapid curing ■ Good wear resistance ■ Good chemical resistance ■ Slip resistant ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor® BC 375 N ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor® BC 375 N	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Quartz sand (0.4 – 0.7 mm) ■ Sikafloor®-264 Plus	■ Sikafloor®-10 Pronto N ■ Sikafloor®-15 Pronto N ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor®-18 Pronto	■ Sikafloor®-10 Pronto N Pronto ■ Sikafloor®-15 Pronto N ■ Sika Reemat Premium ■ Sikafloor®-15 Pronto N ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor®-18 Pronto

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

Sikafloor® ONE SHOT PARKDECK SYSTEM

Short down time = money saving with innovative Sikalastic®-8800 spray applied injection technology combining polyurea and aggregates

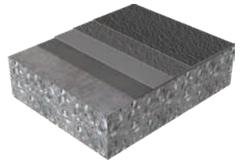



PRIMING
8:00 h
Priming with Sikafloor®-1590 + 2% Sikafloor®-54 Booster and 2 hours later spraying of the crack-bridging waterproofing membrane Sikalastic®-8800 at a film thickness of 1.5 mm.

INJECTION
11:00 h
Injection of aggregates in the spray pattern of the Polyurea Sikalastic®-8800 in order to install the non-slip surface.

ROLLER APPLICATION
14:00 h
Roller application of the top coat Sikafloor ®-530.

READY TO USE
20:00 h

SYSTEM	Sikafloor® OneShot PB-60 UV
	
DESCRIPTION	UV resistant, fast curing broadcast high performance polyurethane floor covering with top sealer over elastic membrane
NOMINAL THICKNESS / LAYERS	3 – 5 mm 3
CHARCHARACTERISTICS	■ Rapid curing ■ High wear resistance ■ Waterproofing ■ Meets German standard OS11a ■ Slip resistance ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-150/ -150 Plus/ -151/-1590/ P 922 ■ Sikalastic®-8800 plus sand ■ Quartz sand (0.7 – 1.2 mm) ■ Sikafloor ®-530

ADVANTAGE OF THE NEW CARPARK DECK FLOORING SYSTEM

- Time saving
- Material saving
- Short downtime: time need for the new method: 1 day
- Low consumption of aggregate compared to the conventional (manual) method. (approx. 1.5 – 3 kg instead of 6 – 8 kg)
- Excess of sand does not need to be removed, because the sand is fully bonded
- Lower labor cost
- High durability
- Fast curing
- Highly flexible
- Permanent water and weather resistance
- Slip resistance

Sikafloor® SOLUTIONS FOR LEVELING

A PERFECTLY EVEN AND SMOOTH FLOOR SUBSTRATE surface plays an important role in the final result and life span of the floor, no matter what kind of floor covering will be installed over it. Sika supplies self-leveling compounds whose outstanding performance has been proven in construction projects with high requirements, ranging from house use to fork lift truck loads in industry.

After mixing, the Sika leveling product turns into a liquid mixture and is poured onto the subfloor surface. The characteristic of the mix allows it to level and fill in all uneven places. A specialty fast drying product is also part of our product range. Once it is poured onto the floor, it is very easy and fast to apply. The quality of the levelled floor surface is easily under control. This is the main benefit when compared with the normal floor leveling mixes.

Here is a list of reasons why you should choose Sika leveling systems:

- Very easy mixing
- High surface coverage performance due to smooth application
- Outstanding flow properties
- Flat surfaces can be easily achieved, even in thin layers
- Suitable for multi-purpose application
- Optimized shrinkage
- Quick overcoating is possible
- No floating oil additives with the dust reduced version

THE INSTALLATION THICKNESSES OF SIKA LEVELING PRODUCTS RANGES FROM 1 UP TO 50 MM IN ONE APPLICATION.

UNDERLAYMENT

Cementitious leveling underlayments for floor coverings

SYSTEM	Sikafloor®-100 Level	Sikafloor®-200 Level	Sikafloor®-300 Level
			
DESCRIPTION	Multi-purpose cementitious leveling underlayment	Multi-purpose cementitious leveling underlayment for high thicknesses	High performance cementitious leveling underlayment
NOMINAL THICKNESS / LAYERS	1 – 10 mm 2	3 – 40 mm 2	1 – 10 mm 2
CHARACTERISTICS	■ Cementitious self leveling ■ C25F6 ■ Economic ■ Multi-purpose ■ Average loading ■ Low emissions, EC1+	■ Cementitious self leveling ■ C25F6 ■ Economic ■ Multi-purpose ■ Average loading ■ Dust reduced ■ High thicknesses ■ Low emissions, EC1+	■ Cementitious self leveling ■ C30F6 ■ Low shrinkage ■ Smooth finish ■ Medium duty loading ■ Low emissions, EC1+
SYSTEM COMPONENTS	■ Sikafloor®-01/-02/-03 Primer ■ Sikafloor®-100 Level	■ Sikafloor®-01/-02/-03 Primer ■ Sikafloor®-200 Level	■ Sikafloor®-01/-02/-03 Primer ■ Sikafloor®-300 Level

SYSTEM	Sikafloor®-300 Rapid Level	Sikafloor®-400 Level	Sikafloor® Level-30
			
DESCRIPTION	Fast drying, high performance cementitious leveling underlayment	Dust reduced high performance cementitious leveling underlayment with excellent workability	High performance cementitious leveling underlayment for indoor and outdoor applications
NOMINAL THICKNESS / LAYERS	1 – 10 mm 2	1 – 10 mm 2	4 – 30 mm 2
CHARACTERISTICS	■ Cementitious self leveling ■ C50F10 ■ Super fast ■ Low shrinkage ■ Smooth finish ■ High duty loading ■ Low emissions, EC1+	■ Cementitious self leveling ■ C35F7 ■ Super friendly workability ■ Low shrinkage ■ Smooth finish ■ Dust reduced ■ high duty loading ■ Low emissions, EC1+	■ Cementitious self leveling ■ C40F10 ■ Fast drying ■ Low shrinkage ■ High thickness ■ Medium to high loading ■ Meets EN1504-3 Class R3 ■ Low emission EC1+
SYSTEM COMPONENTS	■ Sikafloor®-01/-02/-03 Primer ■ Sikafloor®-300 Rapid Level	■ Sikafloor®-01/-02/-03 Primer ■ Sikafloor®-400 Level	■ SikaLevel®-01 Primer ■ Sikafloor® Level-30

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

Sikafloor® SOLUTIONS FOR COMMERCIAL, PUBLIC AND RESIDENTIAL AREAS

SIKA HAS DESIGNED SPECIAL flooring solutions for the use in schools, museums, retail, leisure and healthcare facilities, plus many other commercial and public buildings.

This Sika flooring range combines individual design with health care including comfort underfoot and the lowest VOC emissions, in order to create a unique flooring experience.

INDIVIDUAL DESIGN
The Sika decorative floor range meets the need for individual and decorative designs in commercial, retail and leisure facilities using colored chips, aggregates and other special fillers. These floors allow you to create many different and unique surface designs, ranging from textured broadcast and smooth power float finishes. Sika decorative floor systems can be produced in a wide range of different color shades, with additional special colors available to order. This allows you to create your own individual designs or extend your Corporate Identity onto your floors.

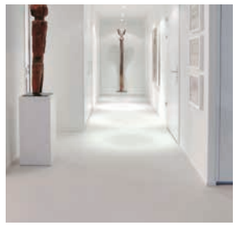
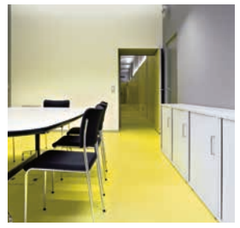
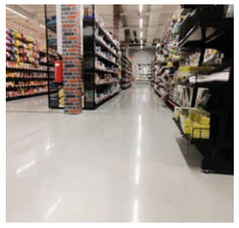
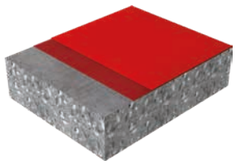
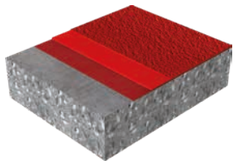
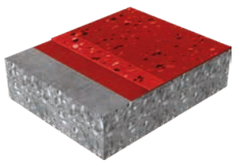
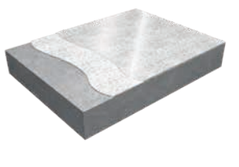
COMFORT AND CARE
Sika ComfortFloor® systems for commercial and public building areas are soft enough to provide underfoot comfort in those areas where personnel stand for long periods of time. These resilient flooring solutions not only reduce footfall noise and horizontal noise transmission, but also resist scratching by their elastic deformation and recovery.

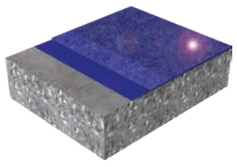
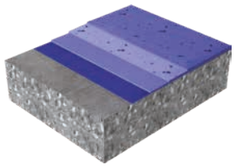
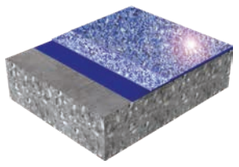
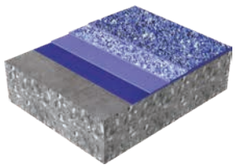
Sika ComfortFloor® SOLUTIONS
- Low VOC emissions
- Noise absorbent
- Good impact sound insulation
- High comfort underfoot
- Good wear resistance
- Good impact resistance
- Crack-bridging
- Decorative

AVAILABLE IN CUSTOM COLORS, THESE RESILIENT FLOORING SOLUTIONS NOT ONLY REDUCE FOOTFALL NOISE AND HORIZONTAL NOISE TRANSMISSION, BUT ALSO RESIST SCRATCHING THANKS TO THEIR ELASTIC DEFORMATION AND RECOVERY.

COMMERCIAL, PUBLIC AND RESIDENTIAL AREAS

Decorative flooring systems

				
SYSTEM	**Sikafloor® MultiDur WS-18**	**Sikafloor® MultiDur WB-28**	**Sikafloor® DecoDur ES-26 Flake**	**Sikafloor® Terrazzo CS-32**
				
DESCRIPTION	Double water based epoxy roller coat with colour flakes	Decorative colored water based epoxy floor covering with color quartz broadcast and sealer	Decorative colored epoxy floor covering with colour flakes and sealer	A highly durable, decorative concrete flooring system, based on dryshake harden-ers, ground and polished with aggregate exposure.
NOMINAL THICKNESS / LAYERS	< 1 mm 2	2 mm 3	2 mm 3	2.5 – 4 mm 2 – 3
CHARACTERISTICS	■ Light to medium wear resistance ■ Surface stabilization ■ Prevent surface dusting ■ Color options	■ Light to medium wear resistance ■ Medium slip resistance optional ■ Easy cleaning ■ Color options	■ Light to medium wear resistance ■ Good mechanical resis-tance ■ Medium slip resistance optional ■ Easy cleaning ■ Color options	■ Decorative and economic surface solution with high mechanical and wear resistance ■ Patented multilayer dry shake application ■ 7 steps polishing withing 7 - 10 days to grade 2 ■ Low dust solution ■ Ligh colors help improve natural lighting
SYSTEM COMPONENTS	■ Sikafloor®-2510 W ■ Sikafloor®-2510 W ■ Sika® PVA ColorFlakes	■ Sikafloor®-2510 W ■ Sikafloor®-2510 W ■ Colored quartz sand 0.3 – 0.8 mm ■ Sikafloor®-2510 W transparent	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus ■ Sika® PVA ColorFlakes 3 mm ■ Sikafloor®-169/ -316	■ Sikafloor®-/ Sikafloor® QuartzTop/ SynTop/ Chapdur/ Design ■ Sikafloor®-931 Finishing Aid ■ Sikafloor®-958 PG

				
SYSTEM	**Sikafloor® DecoDur ES-22 Granite**	**Sikafloor® DecoDur ES-26 Flake**	**Sikafloor® DecoDur EB-26 Quartz**	**Sikafloor® DecoDur EM-21 Compact**
				
DESCRIPTION	Smooth low VOC colored granite effect epoxy floor covering	Smooth low VOC colored full flaked epoxy floor covering	Slip resistant low VOC color quartz broadcasted epoxy floor covering	Smooth high resistant power floated broadcast color quartz epoxy screed
NOMINAL THICKNESS / LAYERS	2 – 3 mm 3	2 – 3 mm 4	2 – 3 mm 3	~ 3 mm 4
CHARACTERISTICS	■ Food contact compliant ■ Low particle emissions ■ Colored granite effects ■ Designer aesthetics ■ Medium slip resistance optional ■ Low VOC ■ Color options	■ Food contact compliant ■ Low particle emissions ■ Colored flake effects ■ Medium slip resistance optional ■ Low VOC ■ Color options	■ Food contact compliant ■ Low particle emissions ■ Colored sand effects ■ Good mechanical resis-tance ■ Slip resistant ■ Low VOC ■ Color options	■ Food contact compliant ■ Low particle emissions ■ Colored sand effects ■ High mechanical resis-tance ■ High impact resistance ■ Slip resistance optional ■ Low VOC ■ Color options
SYSTEM COMPONENTS	■ Sikafloor®-264 Plus ■ Sikafloor®-169 ■ Sikafloor®-DecoFiller ■ Sikafloor®-304 W	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus ■ Sika® PVA ColorFlakes (3 mm) ■ Sikafloor®-169 ■ Sikafloor®-304 W	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-264 Plus ■ Colored quartz sand (0.3 – 0.8 / 0.7 – 1.2 mm) ■ Sikafloor®-169	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-169 ■ Sika® PU Colored Quartz CF (0.3 – 1,2 mm) ■ Sikafloor® CompactFiller ■ Sikafloor®-304 W

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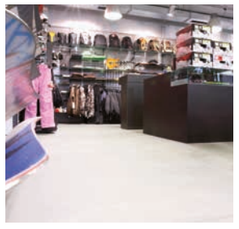
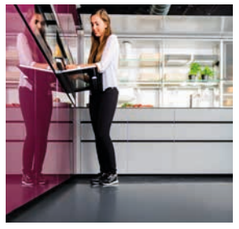
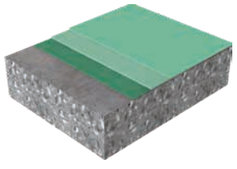
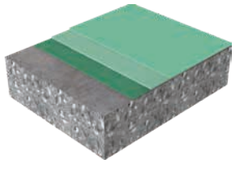
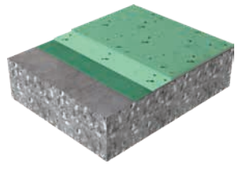
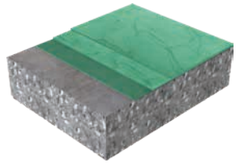
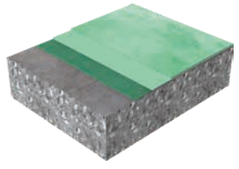
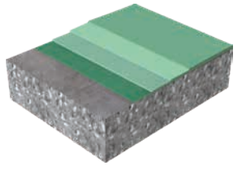
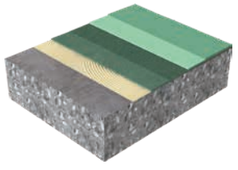
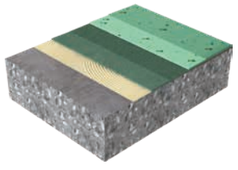
COMMERCIAL, PUBLIC AND RESIDENTIAL AREAS

Comfort flooring systems

SYSTEM	Sika ComfortFloor® PS-21 Nature	Sika ComfortFloor® PS-22	Sika ComfortFloor® PS-24	Sika ComfortFloor® Marble FX
				
DESCRIPTION	Seamless, smooth, cork natural look, low voc, elastic polyurethane floor covering	Seamless, smooth, unicolor, low voc, tough elastic polyurethane floor covering	Seamless, smooth, low voc, elastic, polyurethane floor covering with optional color flakes	Seamless, smooth, low voc, elastic, polyurethane floor covering with decorative marble effect
NOMINAL THICKNESS / LAYERS	~ 2 mm 3	~ 2 mm 3	~ 2 mm 3	~ 2 mm 3
CHARACTERISTICS	■ Soft footfall ■ Crack bridging ■ Good wear and impact resistance ■ Color options ■ Low VOC	■ Good wear and impact resistance ■ Crack bridging ■ Color options ■ Low VOC	■ Soft footfall ■ Crack bridging ■ Good wear and impact resistance ■ Decorative flakes optional ■ Color options ■ Low VOC	■ Soft footfall ■ Crack bridging ■ Good wear and impact resistance ■ Color options ■ Low VOC ■ Decorative marble effect
	PURFORM®		PURFORM®	PURFORM®
SYSTEM COMPONENTS	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-3000 + Sikafloor®-3000 Nature Additive ■ Sikafloor®-304 W	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-3310 ■ Sikafloor®-305 W	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-3000 ■ Optional: Sika® PVA ColorFlakes ■ Sikafloor®-304 W	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-3000 FX ■ Sikafloor®-304 W




SYSTEM	Sika ComfortFloor® Mineral FX	Sika ComfortFloor® PS-68	Sika ComfortFloor® PS-65	Sika ComfortFloor® PS-66
				
DESCRIPTION	Seamless, smooth, low voc, elastic, polyurethane floor covering with decorative light marble effect	Seamless, smooth, unicolor, low voc, sound insulating elastic oplyurethane floor covering	Seamless, smooth, unicolor, low voc, resilient polyurethane floor covering	Seamless, smooth, low voc, resilient polyurethane floor covering with optional color flakes
NOMINAL THICKNESS / LAYERS	~ 2 mm 3	~ 6 mm 4	~ 6 mm 5 – 7	~ 6 mm 5 – 7
CHARACTERISTICS	■ Soft footfall ■ Crack bridging ■ Good wear and impact resistance ■ Color options ■ Low VOC ■ Decorative light marble effect	■ Soft footfall ■ Resilient ■ Good impact sound insulation ■ Crack bridging ■ Color options ■ Low VOC	■ Soft footfall ■ Resilient ■ Good impact sound insulation ■ Crack bridging ■ Good wear and impact resistance ■ Color options ■ Low VOC	■ Soft footfall ■ Resilient ■ Good impact sound insulation ■ Crack bridging ■ Good wear and impact resistance ■ Decorative flakes optional ■ Color options ■ Low VOC
	PURFORM®			
SYSTEM COMPONENTS	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-3000 FX + Sikafloor®-3000 FX Additive ■ Sikafloor®-304 W	■ Sikafloor®-150 Plus/ -150/ -151/ -1590 ■ Sikafloor®-329 ■ Sikafloor®-3310 ■ Sikafloor®-305 W	■ Sikafloor® Comfort Adhesive ■ Sikafloor® Comfort Regupol-6015 H ■ Sikafloor® Comfort Porefiller ■ Sikafloor®-3310 ■ Sikafloor®-305 W	■ Sikafloor® Comfort Adhesive ■ Sikafloor® Comfort Regupol-4580 ■ Sikafloor® Comfort Porefiller ■ Sikafloor®-3000 ■ Optional: Sika® PVA ColorFlakes ■ Sikafloor®-304 W

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

Sikagard® SOLUTIONS FOR WALLS AND CEILINGS

FOR A GREAT MANY DIFFERENT exposure and performance requirements in industrial and commercial facilities, the application of a protective wall coating is frequently necessary. The specific demands on the wall can obviously vary according to the specific industry, the function of the area and the processes that are carried on inside it.

The electronic and optical industries need to have clean-room conditions on the wall surfaces, with minimal VOC's / AMC's or particle emissions, plus they must be easy to clean and ensure the area remains dust free. For this increasingly demanding market Sikagard® Wallcoat N, a waterborne epoxy coating, already has all of the necessary certification and approvals. Sikagard® Wallcoat N is also the ideal solution for food & beverage plants in the areas where food stuffs are produced, these usually have a cleaning regime using high pressure water-jetting with strong detergents and cleaning agents. Sikagard® Wallcoat N perfectly combines good chemical resistance, mechanical resistance and the required ease of cleaning.

Breweries and other drink production areas, together with many other food production and processing facilities have areas where the humidity is constantly very high. The walls in these areas require wall coatings with integral anti-fungal and anti-bacterial protection. The Sikagard® Hygienic Coatings range has the ideal characteristics and performance properties for these important areas, plus they are also easy to apply by brush, roller or airless spray and adhere to most common wall building substrates. Sikagard® Hygienc Coatings are resistant to moisture and elastomeric, so they are able to accommodate thermal or structural movement without cracking or flaking. These coatings have been fully tested in accordance with many European standards including EN 13501 (Behaviour in Fire), ISO 846 (biological resistance), EN 18033 (Wet scrub resistance and opacity).

SYSTEM	Sikagard® WallCoat WS-11	Sikagard® WallCoat PS-11	Sikagard® WallCoat AS-11 Hygienic	Sikagard® WallCoat AL-12 Hygienic
				
DESCRIPTION	Waterborne Epoxy based, low emissions, high performance wall coating solution	Waterborne Polyurethane based, low emissions, high performance wall coating solution	Hygienic wall coating system which does not promote growth of micro-organisms through in-film preservative	High performance hygienic wall coating system which does not promote growth of micro-organisms through in-film preservative
NOMINAL THICKNESS / LAYERS	< 0.5 mm 2	< 0.5 mm 2	< 0.5 mm 2	~ 1 mm 3
CHARACTERISTICS	■ Low particle emissions ■ Medium wear resistance ■ Medium chemical resistance ■ Smooth surface ■ Easy cleaning ■ Color options ■ Low VOC	■ Low particle emissions ■ Medium wear resistance and elasticity ■ Basic chemical resistance ■ Smooth surface ■ Easy cleaning ■ Color options ■ Low VOC	■ Biological resistance ■ Hygienic (anti-fungal and anti-bacterial) ■ Resistant to disinfectants ■ Smooth surface ■ Easy cleaning ■ Color options ■ Low VOC	■ GMP Compliant ■ Biological resistance ■ Hygienic (anti-fungal and anti-bacterial) ■ Resistant to disinfectants ■ Glassfibre reinforced ■ Easy cleaning ■ Color options ■ Low VOC
SYSTEM COMPONENTS	■ Sikagard® Wallcoat N ■ Sikagard® Wallcoat N	■ Sikagard® Wallcoat N ■ Sikafloor®-305 W	■ Sikagard®-403 W + 5% Water ■ Sikagard®-403 W	■ Sikagard®-403 W + 5% Water ■ Sikagard®-403 W ■ Reemat premium ■ Reemat Lite ■ Sikagard®-405 W/ -406 W/-407 W

* Note: The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

DESIGN SUSTAINABLE CONSTRUCTION WITH SIKA HIGH PERFORMANCE FLOORING SYSTEMS

DESIGN LIFE
This is possibly the most fundamental criterion and is certainly the first question to ask when selecting a floor: What is the required design life – 2, 5, 10 or 20 years? Is frequent or regular maintenance feasible or desirable? The floor specification must obviously be designed to meet this life expectancy and durability, including the intended maintenance-free periods.

* Note:
The 3D graphics in this brochure are not to scale and they are only intended to illustrate the system build-ups.

STRUCTURAL REQUIREMENTS
The static and dynamic loadings that will be imposed during both construction and service have to be considered. The floor topping must be capable of withstanding these demands, but it can only function as well as the substrate to which it is applied, i.e. the structural concrete slab or screed.

Note: In some instances the floor slabs may require additional structural strengthening – for example with Sika® CarboDur® Composite Strengthening systems.

COLOR AND APPEARANCE
In addition to providing seamless concrete protection against corrosive liquids and mechanical wear, flooring systems should also meet easy-care, hygiene, safety and durability requirements with the appropriate color for the environment. Achievement of both the architect and the owner's requirements always requires consideration of both functional and aesthetic criteria. With Sikafloor® systems a wide variety of colors, textures and visual effects can be produced in floors which will also provide the overall functional performance.

KEY REQUIREMENTS FOR CONSIDERATION IN SELECTING A FLOOR SYSTEM

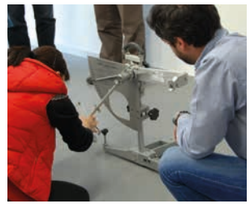
Operational criteria	Mechanical exposure	Chemical exposure	Thermal exposure	Safety	Aesthetics and surface texture	Comfort and care
Specific requirements	■ Traffic ■ Impact ■ Abrasion ■ Loading	■ Oils, grease ■ Soluble salts ■ Solvents ■ Alkalis, acids ■ Cleaning agents	■ Heat/steam ■ Cold/frost ■ UV light	■ Slip-resistance ■ Insulation ■ Non-flammable ■ Low odor ■ VOC-free ■ Conductivity ■ Hygienic	■ Color ■ Design ■ Smooth ■ Textured	■ Easy to clean ■ Vibration damping ■ Sound insulation
Prepared substrate	Impregnation / Sealing / Coating / Screeding					
	Prepared Substrate as a base for the wearing course					
	According to requirements, condition and location: Priming / leveling / repairing					
Substrate evaluation and preparation	Blastcleaning, grinding, high-pressure water jetting depending on condition					
		Dry shake/polymer concrete/cementitious overlay	Concrete/cementitous overlay	Resin screed/coating	Poured asphalt	Ceramic tile
	Base concrete					

PROJECT RELATED PERFORMANCE REQUIREMENTS

TRAFFIC AND MECHANICAL WEAR
Frequent heavy traffic demands high abrasion resistance.

CHEMICAL RESISTANCE
Resistance to chemical attack is crucial for floor finishes. Consider single and combined chemical effects, including reactions. Especially at higher temperatures.

SERVICE TEMPERATURE
Thermal shock resistance can be a major requirement for floors. E.g. thermal shock from cleaning processes (hot water, steam) and low temps (blast freezers). consider in equipment, product, and surrounding area temperatures.



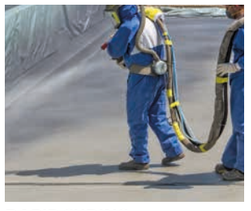
SLIP RESISTANCE
The requirements for slip resistance varies depending on the environment, e.g. wet or dry processing areas.

FIRE RESISTANCE
Fire classifications for floors are generally given in Building Regulations by the responsible national and local authorities and cover the aspect of self-estinguishing behaviour.

HYGIENE
Floors must meet strict hygiene and contamination control standards, particulary in industries like pharma, food, pharmaceutical, chemical and electronics.

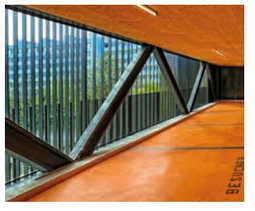
IMPACT RESISTANCE, POINT LOADING
In production, storage, and loading areas, floors must withstand mechanically and dynamic loads from forklifts, pallet trucks, and goods movement.

WATERPROOFING
Sikafloor® systems provide an impermeable, crack-bridging seal protecting concrete, groundwater, and the environment from aggressive liquids and pollutants.



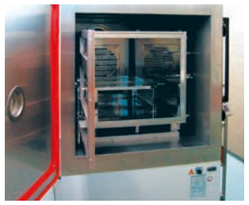
RAPID CURING
Fast curing systems minimize downtime in new builds, refurbishments, and low temperature applications. This systems are also an advantage for applications that have to be undertaken at lower temperatures.

FLOOR COATING ON GREEN AND DAMP CONCRETE
Sikafloor® EpoCem® enables early coating of fresh concrete minimizing delays and accelerating construction progress.



CRACK-BRIDGING ABILITY
Sikafloor® systems absorb static and dynamic movement, protecting substrates–even at temperatures down to -20°C.
This is a particular requirement on exposed car park decks for example.

DAMPING OF IMPACT NOISE
Public transit and gath-ering places, such as entrance halls, corridors and display or sales areas require higher underfoot comfort levels and protection against the transmission of both impact noise and airborne noise.



NEUTRAL ODOR, VOC-FREE

100% solids, solvent-free flooring systems with neutral odor and low VOC emissions are essential for sustainability and Green Building objectives.
Sika ComfortFloor® is the ideal solution for occupied indoor/ internal or closed areas.

ELECTRICAL CONDUCTIVITY/ ESD

Sika is world leader in conductive flooring systems (ESD, DIF, ECF), protecting sensitive devices and preventing explosive risks in flammable environments.

CLEANING AND MAINTENANCE

To ensure Sika flooring solutions performance and longevity, we offer detailed cleaning and maintenance guidelines, available through the Sikafloor® Cleaning Regime.

THERMAL CONDUCTIVITY

The perceived floor warmth varies depending on the user. Sika ComfortFloor® offers insulated, resilient systems for more comfort where it is needed.

MULTIPLE COLOR SHADES

Sikafloor® offers a wide range of color options, including custom colors and matching to RAL, BS 4800, and NCS standards.

UV LIGHT RESISTANCE

For areas exposed to high UV light, Sikafloor® systems ensure long lasting color and UV resistance. Ideal for parking or balcony decks.

RESISTANCE TO FURNITURE CASTORS

Floors exposed to small, heavy point loads from furniture castors require highly abrasion resistant or resilient systems, such as Sikafloor® for durability.

VOC/AMC EMISSIONS

In cleanrooms, Sika systems prevent VOC/AMC emissions, maintaining air quality and protecting sensitive materials.

FOR FOOD PROCESSING AREAS

Floors must resist aggressive cleaning and chemicals, be temperature, wear, impact and slip resistant and remain impervious and food safe for their entire service life.

PARTICLE EMISSIONS

Sika cleanroom systems are tested for low particle emissions in compliance with ISO 14644, ensuring clean conditions for sensitive manufacturing processes.

FLATNESS AND LEVEL

Sika provides underlayments for both low performance (e.g. carpets) and high-performance (e.g. forklift traffic) floor requirements, ensuring smooth, level surfaces.

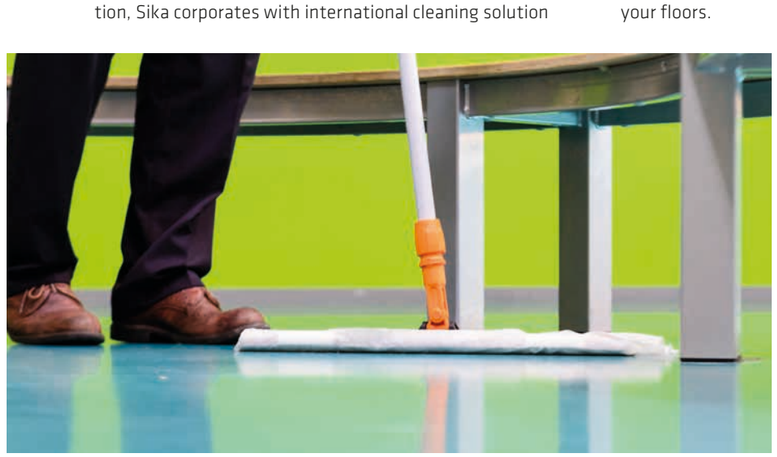
CLEANING AND MAINTENANCE OF Sikafloor®

PROPER CLEANING AND EVENTUAL MAINTENANCE are needed to ensure that your Sika flooring system stays in the best shape and gives you years of satisfaction.

Sikafloor® systems are designed as ready-to-use solutions that require no initial maintenance or polymer applications. These solutions are a real plus for environments where customers need a simple way to clean the floor, maintain its appearance and preserve their long-term investment.

However, proper cleaning procedures are needed to offer a considerable reduction in facility operating costs by lowering the need for interim floor maintenance and the time required to strip and install floor finishes, while maintaining a long-lasting aesthetic appearance. All Sika flooring systems are tested in the lab with different cleaning products to ensure customers receive appropriate cleaning instructions. In addition, Sika corporates with international cleaning solution suppliers such as Diversey Care to provide correct cleaning and maintenance Schedule using our lab test results. They recommend the use of proper agents in conjunction with proper cleaning pads for cleaning Sikafloor® surfaces. Some also offers floor polishes that are dedicated to certain project types such as healthcare facilities. They are happy to provide Sika flooring customers high-level after-sales service with a specific focus on cleaning and maintenance.

Sika also provide support for life-cycle cost analyses and maintenance budgets for floors in a wide range of projects. The Technical Services Department of your local Sika company can provide you with a full list of the most suitable options for your floors.



Sikafloor® APPLICATION PROCEDURES

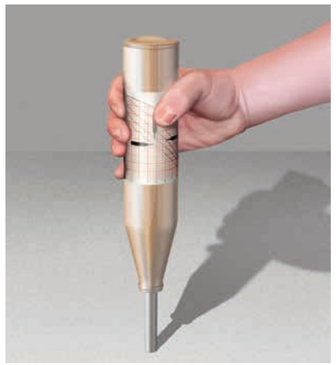
Substrate inspection and preparation

THE CONCRETE SUBSTRATE IS THE BASIS OF A NEW FLOOR, WHETHER IT IS NEW OR EXISTING.

Thorough inspection and assessment are essential to determine its condition and the necessary surface preparation for a successful flooring system to be applied.

A durable bond must be achieved between the new flooring system and the substrate, which requires a clean and contaminant free, dry (according to the system requirements) and sound surface to be mechanically prepared to remove any cement laitance, loose or friable particles and provide the profile required for the selected floor system. The final surface should be vacuumed to remove any dust prior to the application.

Please refer to our product method statement for proper investigation and preparation of the substrates or contact your local Sika technical department.



MEASURING THE COMPRESSIVE STRENGTH

The compressive strength of the substrate should not be less than 25 N/mm² (25 MPa). To meet defined loads, a higher strength may be required. It is advisable to take a number of measurements across the floor and in all parts of the proposed installation to confirm the compressive strength i.e. with a Schmidt hammer.

MEASURING THE COHESIVE STRENGTH

Concrete floors generally have some cement laitance with low cohesive strength in the top few mm. This weak layer must always be removed during the substrate preparation. Withstanding stresses from concrete shrinkage, thermal shock or loading requires a minimum cohesive strength. This should be: ≥ 1.5 N/mm² (≥ 1.5 MPa) and this is usually measured by a number of Pull-off tests across the floor.

SUBSTRATE MOISTURE CONTENT

It is extremely important to measure the substrate moisture content because cement bound substrates should normally only be over-coated at a moisture level of < 4% pbv. ASTM D4263 is a simple test with a Polyethylene-sheet of at least 1 m2 taped to the concrete surface. This should be left in position for at least 24 hours, prior to removal and testing. Moisture Meters such as the Tramex Concrete Encounter CME 4 can then give a clear reading of the moisture content as a % pbv. Moisture content > 4% by volume, or visible rising moisture (condensation) on the bottom of the sheet, indicates the need for additional drying time or the use of Sikafloor® EpoCem® Technology.

Sikafloor® APPLICATION PROCEDURES

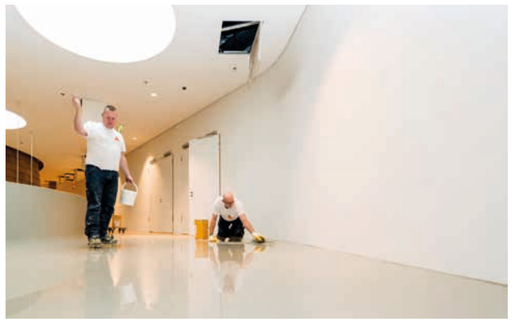
Seamless perfection only takes a few steps

Sikafloor® IS DESIGNED to provide long lasting beauty and performance. We have developed a proven process of application stages for our liquid applied flooring materials. This unique process is the only way to achieve seamless floors throughout your facility and maintain lasting beauty and easy maintenance. A global base of experienced and well trained flooring experts is available to take care of your flooring needs. Please feel free to also consult our experts on adequate procedures for old floor removal in case of refurbishment projects, to ensure proper subfloor preparation and floor detailing.

STEP 1. After inspection and preparation of the subfloor by cleaning (and if needed shotblasting, grinding, sanding and/or leveling), we will start mixing our liquid materials.

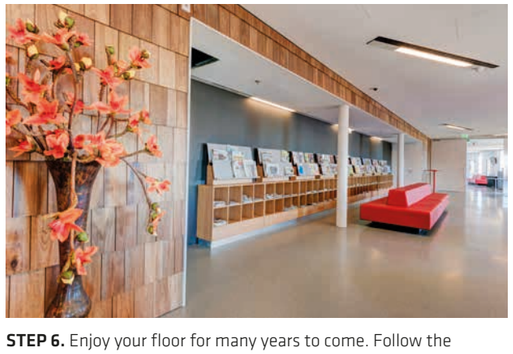
STEP 2. A liquid primer is applied to assure good bonding of the flooring, which is typically done by trowel and roller. The adequate method can be selected depending on the quality of the subfloor.

STEP 3. Self-leveling materials are applied in one or several layers to create a seamless base. Experts will pour and distribute the liquid material by using special squeegees, hand trowels, stand-up trowels and spike rollers in the process to assure a perfectly even and smooth surface.



STEP 4. A wide selection of liquid resin products is available in an almost unlimited amount of colors to address many types of use. Decorative flakes or anti-slip aggregates may be broadcasted into the wet surface.

STEP 5. The finishing touch is the application of a transparent or pigmented topcoat. Typically this step involves a roller or spray application. The topcoat secures the desired final design, and adds friction and wear resistance qualities to the buildup.



STEP 6. Enjoy your floor for many years to come. Follow the recommended maintenance procedures, including a possible pre-treatment, to assure long lasting beauty and performance.

NAMING CONCEPT FOR SIKA FLOORING SYSTEMS

Sikafloor® MultiDur ES-24 ECF

- Brand family
- Chemical base
- Surface finish
- Special feature

BRAND FAMILY

ComfortFloor®	Commercial, institutional and residential, decorative polyurethane flooring
DecoDur	Multi-purpose, decorative epoxy flooring
HardTop	Dry shakes, surface treatment for cementitious flooring, industrial screeds
MultiDur	Multi-purpose epoxy flooring
MultiFlex	Multi-purpose polyurethane flooring
OneShot	Spray-applied polyurea flooring (including broadcast)
Pronto	Multi-purpose P.M.M.A. flooring
(Sika®) Ucrete®	Polyurethane cementitious hybrid flooring
Xolutec®	Xolutec® flooring technology

CHEMICAL BASE

A	Acrylic
C	Cementitious
E	Epoxy
H	Hybrid
P	Polyurethane
R	P.M.M.A (Rapid)
W	Water-based
X	Xolutec®

SURFACE FINISH

B	Broadcast with aggregate
M	Mortar
S	Smooth
T	Textured

SPECIAL FEATURE

ECC	Based on Sikafloor® EpoCem®
ECF	Electrostatic Conductive Floor
ESD	Electro Static Discharge
Flake, Quartz...	Type of decorative filler
Gloss	Glossy finish
HD	Heavy duty
Hygienic	Hygienic wall coatings
UV	Non-yellowing
V	Vertical application

A GLOBAL COMPANY BUT LOCAL PARTNER

FOR MORE FLOORING AND COATING INFORMATION:

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.

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