



Sikalastic[®] DeckPro SYSTEMS

WATERPROOFING AND WEAR COAT SOLUTIONS

Sikalastic[®]
committed brand for
RoofPRO.DeckPRO.

BUILDING TRUST



ADVANCED TECHNOLOGY

Waterproofing and Traffic Coatings

SIKA - A HISTORY OF INNOVATION

The history of Sika began in 1910 when the Gottard rail tunnel running through the Swiss Alps was to be electrified and needed a secure waterproofing system. A completely new solution for chemically waterproofing cement mortars and concrete was developed to address this need, and so the company and brand of Sika was founded. Today, Sika is the global technology and market leader in specialty chemicals for construction and industry, providing complete systems and problem solutions worldwide.

Sika continues to pioneer innovative solutions for today's construction requirements through its twelve Research & Development facilities located worldwide. Product development is typically initiated in Sika's corporate R & D laboratories, and then further developed locally to meet climatic, regulatory, and industry demands, Sika is truly a global company with a local focus.

The Sikalastic DeckPro family of polyurethane-based waterproofing and wear coat systems has a 20 year track record of successful applications throughout North America. These systems include both 1-component and 2-component waterproofing membranes, 1-component and 2-component aggregated wear coats, specialty colored aggregate and color flake finish systems, and an aggregated epoxy wear coat system based upon Sika's experience in bridge deck and overpass resurfacing.

Sikalastic DeckPro primers and coatings represent the innovative, intelligent product design that is fundamental to Sika.

Sikalastic DeckPro - SINGLE SOURCE, SINGLE RESPONSIBILITY

Sikalastic DeckPro systems are often the final product applied to a deck. This is particularly the case with refurbishment applications over a concrete substrate.

A significant challenge in this type of project is to select compatible products obtained from different manufacturers. Often there is no data to validate compatibility. Even if the products selected are individually of high quality, they may not perform well together on a specific project. The resulting problems can be difficult to resolve.

Sika offers a single source for a wide range of products required for refurbishment of parking garages, balconies,

terraces, walkways, and plazas (ref. pgs. 14 & 15). Sika guarantees the compatibility between its recommended products, and bases this guarantee on an extensive internal compatibility study that provides a technical basis for the system recommendations made.

STANDARD AND JOINT & SEVERAL WARRANTIES

All systems qualify for an industry-standard 5 year materials warranty. In addition, 5 year materials & labor and extended duration warranties are available on a per-project basis provided certain conditions are met.

Sika also offers a full Joint & Several warranty program. Additional requirements apply.

FULL TECHNICAL SUPPORT

Sikalastic DeckPro systems are supported nationwide by Sika Refurbishment, Sealing and Bonding professional representatives, who are experienced in developing cost-effective solutions for a wide range of application conditions. CSI-format editable guide specifications and CAD-based assembly and flashing details are available.

Technical field services are provided by a dedicated team of hands-on experts in liquid-applied technology.

APPROVALS



PRIMER OPTIONS

For applications requiring primer, Sika offers a range of primers to enhance system adhesion to the substrate.

Sikalastic FTP Primer: Cost-effective, two-component water-borne epoxy primer for use on concrete and wood decks.

Sikalastic FTP Lo-VOC Primer: Two-component epoxy primer for use on concrete and wood decks.

Sikalastic PF Lo-VOC Primer: Two-component pore-filling epoxy primer for use on porous and uneven concrete decks. Also suitable for wood decks, and metal flashings and penetrations.

Sikalastic MT Primer: Two-component moisture tolerant epoxy primer for use on concrete decks that exhibit elevated moisture content, up to 6% by weight. Also suitable for wood decks, and metal flashings and penetrations.

Sikalastic Recoat Primer: Two-component polyurethane primer for use on existing polyurethane coatings in a recoat application. Also suitable as an interlamine primer for new applications if recoat times between coats cannot be achieved. Suitable for application on localized concrete areas exposed during surface preparation of existing coating systems prior to recoating.

WATERPROOFING AND WEAR COAT SYSTEM OPTIONS

Sika provides an extensive line of waterproofing and traffic deck systems to meet and exceed project requirements.

Sikalastic 710/715/735 AL System: One-component polyurethane system including optional aliphatic topcoat.

Sikalastic 710 Lo-VOC/715 Lo-VOC/736 AL Lo-VOC System: One-component polyurethane system including optional aliphatic topcoat. Meets SCAQMD VOC regulations.

Sikalastic 720/745 AL System: Two-component polyurethane system including aliphatic topcoat. Meets SCAQMD VOC regulations.

Sikalastic 390/391/394 System: Primerless two-component polyurethane system including aliphatic topcoat. Meets SCAQMD VOC regulations.

Sikalastic 22 Lo-Mod Hybrid System: Polyurethane waterproofing membrane with aggregated epoxy wear coat, including optional aliphatic topcoat. Systems using one-component low VOC or two-component base and top coats meet SCAQMD VOC regulations.

Sikalastic 748 PA Decorative Topcoat Systems: Choice of colored Decoquartz aggregate blends or colored Decoflake blends for broadcast into aliphatic topcoats, then sealed with clear polyaspartic sealer. Systems using one-component low VOC or two-component aliphatic top coats meet SCAQMD VOC regulations.

Sikalastic 735 AL and 736 AL Lo-VOC Tint Base Systems: One-component tint base aliphatic topcoats can be field tinted with Sikaflex 2C color packs to match Sikaflex sealant colors. Custom colors also available. Systems using one-component low VOC base and top coats meet SCAQMD VOC regulations.

Sikadur 22 Lo-Mod System: Aggregated epoxy wear coat with polyaspartic seal coating. Includes Sikadur 21 Lo-Mod LV two-component, low-viscosity epoxy priming coat. For applications where a separate waterproofing membrane is not required. Meets SCAQMD VOC regulations.

DECK SEALERS AND CEMENTITIOUS COATINGS

Specialty sealers such as Sikagard 705 L and cementitious coatings such as Sikagard FlexCoat are available for applications that do not require a traditional urethane-based traffic coating system. These products are not vapor barriers and will allow vapor transmission.

Sikagard 705L: One-component transparent silane-based water repellent penetrating sealer with 99% active content. Reduces capillary water absorption and absorption of water-borne salts and chloride. Improves freeze-thaw resistance.

Sikagard FlexCoat: Two-component polymer-modified waterproof cement-based coating system minimizes water penetration, freeze-thaw scaling and concrete carbonation. Includes Sikagard FlexCoat ATC, a one-component, water-based acrylic top coat for aesthetic applications. Can be texturized by the use of specialty rollers.

SYSTEM SELECTION TABLE

Sikalastic DeckPro

Sikalastic DeckPro System	710/715/735 AL	710 Lo-VOC/ 715 Lo-VOC/ 736 AL Lo-VOC	720/745 AL	390/391/394	710, 710 Lo-VOC, 745 AL, 390/22 Lo-Mod Hybrid	22 Lo-Mod/748 PA	FlexCoat/ FlexCoat ATC	705 L
Waterproofing	XX	XX	XX	XX	XX	X	X	X
Pedestrian Traffic	XX	XX	XX	XX	XX	XX	XX	XX
Vehicular Traffic	XX	XX	XX	XX	XX			XX
Primerless System				XX ¹	X ⁷		XX	XX
Fast Cure		X ²	XX	X	X ⁷	XX	X	X
Extended Working Time	XX	X			X ⁷		X	X
Low Odor		X	XX	XX	X ⁷	X	XX	X
Low VOC (CA Compliant)		XX	XX	XX	X ⁷	XX	XX	X
Field Tinting	XX ³	XX ³						
Highest Wear Resistance					XX	XX		X
Crack Bridging	XX	XX	XX	XX	X			
Decorative Surfacing	XX ⁴	XX ⁴	X ⁴			XX	X	
Recoat of Existing	XX	XX	XX	XX				
Plywood Decks	XX	XX	XX	XX				
Mechanical Rooms			XX	XX	XX	XX		
Under Tile w/ Setting Bed	XX ⁵	XX ⁵	XX ⁵					
Concrete/Steel Pan	XX ⁶	XX ⁶	XX ⁶					
Split Slab	XX ⁶	XX ⁶	XX ⁶					

Notes:

1. Up to 4% moisture content as measured with Tramex Concrete Moisture Encounter Meter.
2. Must use Boosters with 710 Lo-VOC and 715 Lo-VOC and Accelerator with 736 AL Lo-VOC.
3. Must use Tint-Base 735 AL or 736 AL Lo-VOC with Sikaflex 2c Color Packs.
4. Must use 735 AL or 736 AL Lo-VOC Top Coat with Decoquartz Blend or Dekoflake Blend and 748 PA Transparent Sealer.
5. Requires a min. of 40 mils of waterproofing base coat and full aggregate broadcast into top coat.
6. Must use MT Primer. Up to 6% moisture content as measured with Tramex Concrete Moisture Encounter Meter.
7. Attributes of Hybrid system are based on selection of base coat.

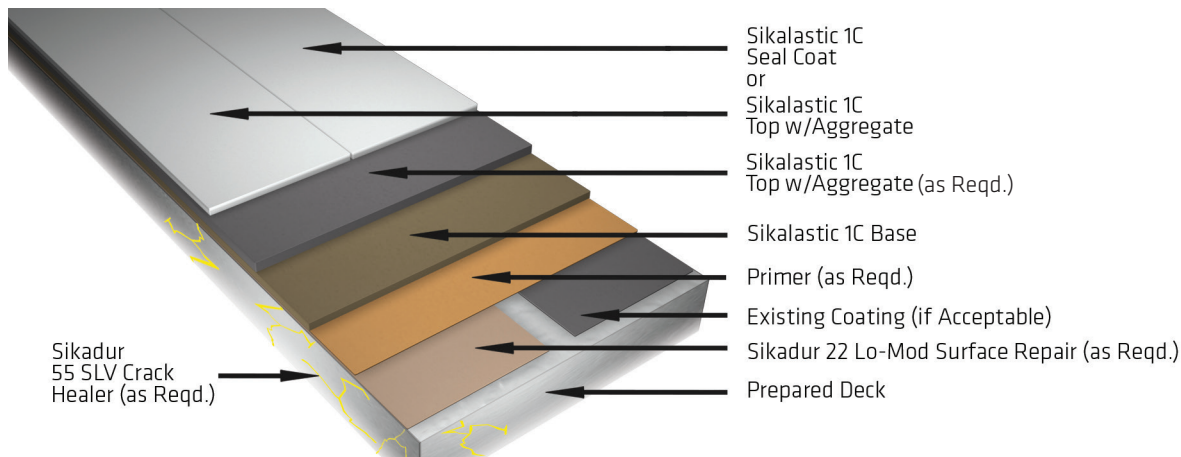
1C AND 2C SYSTEMS

Single Component Traffic Systems

Sikalastic® 710/715/ 735 AL

Sikalastic® 710 Lo-VOC/715 Lo-VOC/736 AL Lo-VOC

- Single-component, elastomeric, waterproofing traffic system
- Excellent crack-bridging properties and flexibility even at low temperatures
- Excellent resistance to abrasion and wear
- Impervious to water and deicing salts
- Optional aliphatic top coats
- Available California-compliant low-VOC system
- Range of standard colors as well as custom and decorative options

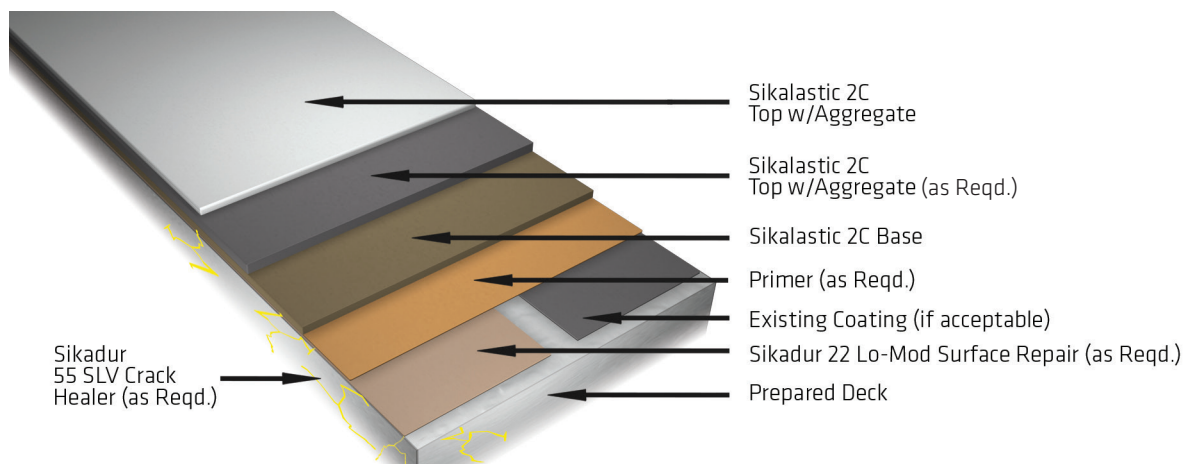


Two Component Traffic Systems

Sikalastic® 720/745 AL

Sikalastic® 390/391/394

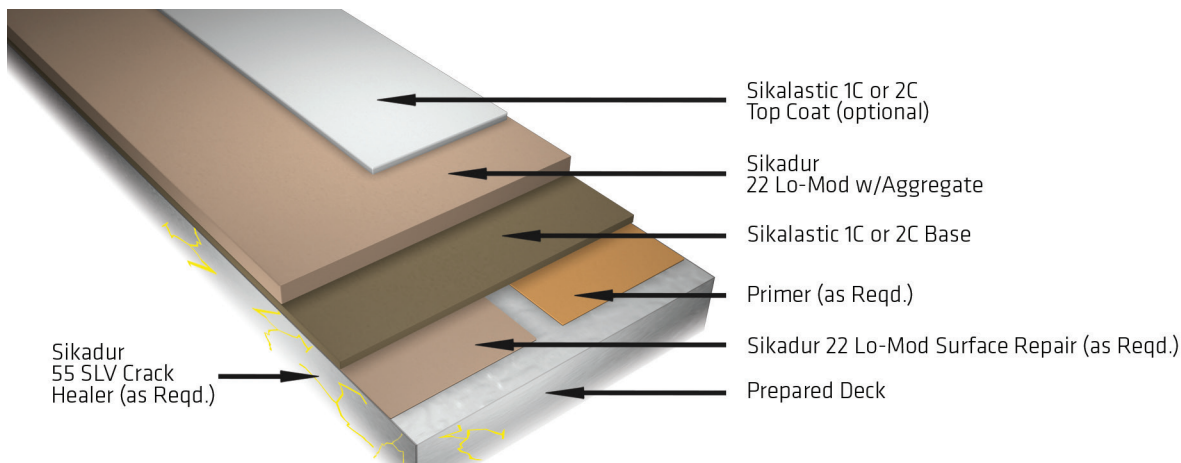
- Two-component, elastomeric, waterproofing traffic systems
- Low odor, solvent-free formulations
- California-compliant low-VOC systems
- Excellent crack-bridging properties as well as abrasion and chemical resistance
- Impervious to water and deicing salts
- Fast turnaround system minimizes downtime
- Primerless system for most cost-effective application
- Range of standard colors as well as custom and decorative options



HYBRID AND DECORATIVE SYSTEMS

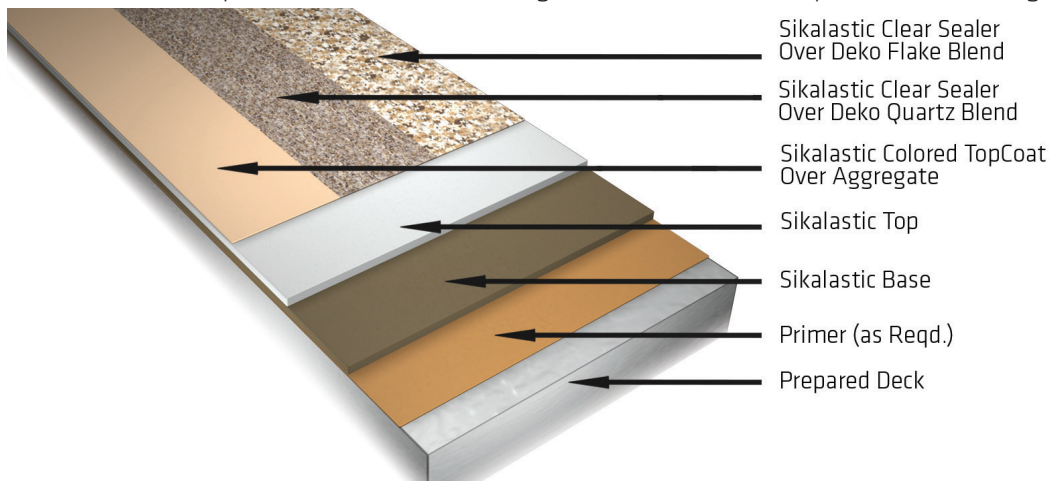
Sikalastic® 22 Lo-Mod Hybrid Deck System

- One or two-component, elastomeric, waterproofing base coat
- Low odor, solvent free, low VOC, primerless and fast turnaround options
- Low-modulus epoxy-based wear coat
- Full broadcast or seeded aggregate wear coat options
- Excellent crack-bridging properties
- Superior resistance to abrasion and wear
- Impervious to water and deicing salts
- Aliphatic topcoats for enhanced UV resistance and color stability
- A wide range of standard and custom colors available
- Sikalastic Decoquartz and Decoflake surfacing blends with clear sealer provide further design options



DecoQuartz and DecoFlake Decorative Systems

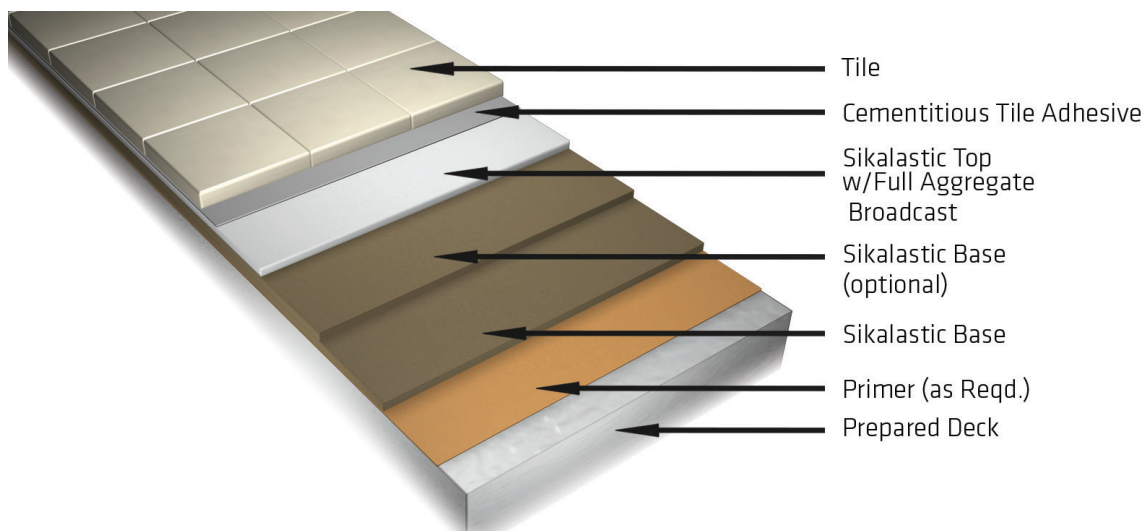
- One or two-component, elastomeric, waterproofing traffic systems
- Low odor, solvent free, low VOC, primerless, and fast turnaround options
- Excellent crack-bridging properties
- Excellent resistance to abrasion and wear
- Impervious to water and deicing salts
- Aliphatic topcoats for enhanced UV resistance and color stability
- A wide range of standard and custom colors available
- Tint-base aliphatic topcoats allow field tinting
- Sikalastic Decoquartz and Decoflake surfacing blends with clear sealer provide further design options



WATERPROOFING SYSTEMS

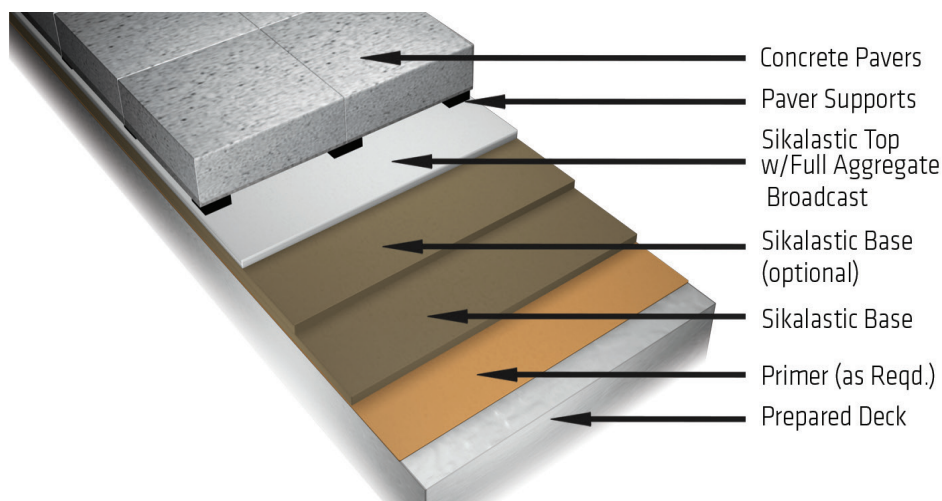
Sikalastic® Elastomeric Tile Underlayment Systems

- One or two-component, elastomeric, waterproofing tile underlayment systems
- Low odor, solvent free, low VOC, primerless and fast turnaround options
- Asphalt-free and alkaline-resistant
- Excellent crack-bridging properties
- Excellent puncture and cut resistance
- Impervious to water and deicing salts
- Aggregate surfacing provides superior bonding surface for tile adhesives
- 60 dry mil system meets thickness requirements of ASTM C 836



Sikalastic® Elastomeric Paver Waterproofing Systems

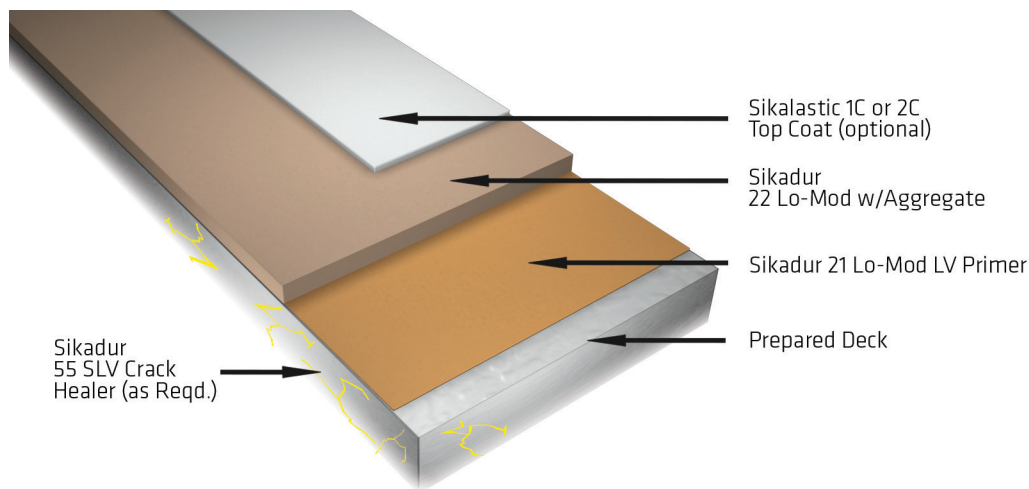
- One or two-component, elastomeric, waterproofing systems
- Low odor, solvent free, low VOC, primerless, and fast turnaround options
- Asphalt-free and alkaline-resistant
- Excellent crack-bridging properties
- Excellent puncture and cut resistance
- Impervious to water and deicing salts
- 60 dry mil system meets thickness requirements of ASTM C 836



SPECIALTY SYSTEMS

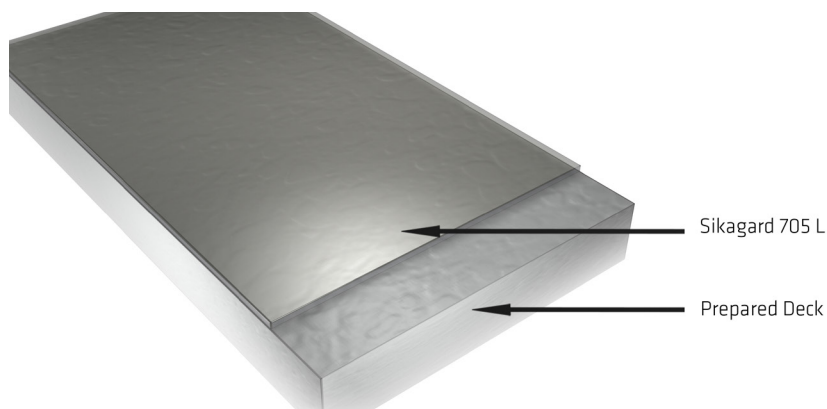
Sikadur 22 Lo-Mod System

- Two-component, low modulus, epoxy intermediate or wearing coat
- Optional low viscosity, two-component epoxy healer/sealer
- Maximum resistance to abrasion and wear
- Impervious to water and de-icing salts
- Available as a California-compliant, low VOC system



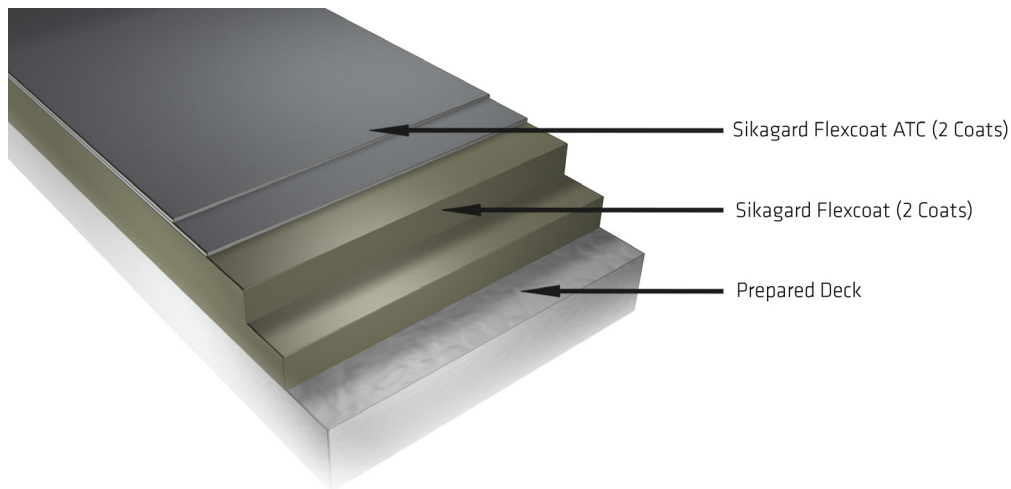
Sikagard 705 L System

- Excellent penetration (~100% active content)
- Economic and easy to use
- Reduces capillary water absorption and provides protection against driving rain and splashing on vertical areas
- Reduction of absorption of aggressive or deleterious agents dissolved in water (e.g. de-icing salts or chloride from marine environments)
- Non-vapor barrier
- Long-term efficiency, deep penetration
- Increases the resistance of concrete to freeze and thaw cycles
- Low VOC content
- Resistant to sea water



Sikagard Flexcoat/Flexcoat ATC System

- Two-component, polymer modified, cementitious, flexible waterproofing
- Single-component acrylic top coat for durability and aesthetics
- Able to withstand prolonged pedestrian and light vehicular traffic
- Breathable system releases entrapped vapor without blistering
- Prevents or reduces water penetration, freeze-thaw scaling, and concrete carbonation
- Use on balconies, side walks, stadiums, pool decks, etc.



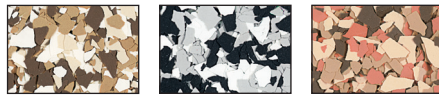
Sikalastic/Sikadur DECOQUARTZ BLENDS

16 Standard Blends Available



Sikalastic DECOFLAKE BLENDS

16 Standard Blends Available



Sikalastic COLORS

3 Standard Colors/ Custom Colors Available



Disclaimer: The various types of computer monitors and graphics cards on the market all have their own particular characteristics and will all show slight variations in color from one model to another. Therefore Sika cannot guarantee that the colors you see on your monitor correspond exactly to the Sika color range. Actual Sika colors will also show variations from the exact Sika color range when printed on any color printer. Use actual cured product for color matching.

REFURBISHMENT, SEALING & BONDING PRODUCTS

The following is an overview of Sika refurbishment, sealing & bonding products typically used as part of a system approach to the repair and restoration of decks, walls, and structural elements.



CONCRETE DECK REPAIR

Spalls, freeze-thaw damage, reinforcement-related damage, and other similar concrete deck deficiencies are readily repaired with SikaRepair, SikaTop, and SikaQuick repair mortars. Mortars may be extended with pea gravel to increase the depth of repair possible per lift.

SikaRepair Mortars: Cost-effective one-component cementitious repair mortars.

SikaTop Plus Mortars: Two-component polymer-modified cementitious repair mortars enhanced with FerroGard 901 penetrating corrosion inhibitor.

SikaQuick Mortars: One component rapid hardening cementitious repair mortars.



STRUCTURAL FIBER REINFORCEMENT

Load increases, structural damage, aging/corrosion, structural modifications, and design or construction defects can all require

strengthening of structural members, as does seismic strengthening of structures. Bonded external reinforcement with Sika CarboDur carbon rods and laminates, and with SikaWrap carbon fiber or glass fiber fabric provides the structural reinforcement required for many applications.

Sika CarboDur Rods: Pultruded carbon fiber reinforced polymer rods embedded and bonded with Sikadur 30-series epoxy resin.

Sika CarboDur Laminates: Pultruded carbon fiber reinforced polymer laminate bonded with Sikadur 30-series epoxy resin.

SikaWrap Hex Fabrics: Uni-directional or bi-directional carbon fiber or glass fiber fabrics bonded with Sikadur 300-series epoxy resin.

ANTI-CORROSION/ANTI-CARBONATION

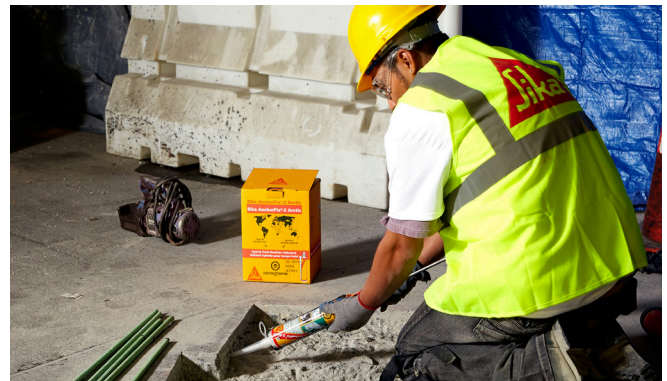
The protection of steel reinforcement within concrete is readily achieved by the application of Sika FerroGard 903 surface coating, Sika Galvashield galvanic anodes, or Sika Ebonex discrete anodes.

Sika FerroGard 903: Penetrating, corrosion inhibiting, impregnation coating for hardened concrete surfaces penetrates and forms a protective layer on the embedded steel reinforcement surface.

Sika FerroGard 908: Dual functional surface applied corrosion inhibitor and penetrating sealer for reinforced concrete.

Sika Galvashield Galvanic Anodes: Sacrificial galvanic anodes embedded within the concrete structure corrode preferentially instead of steel reinforcement.

Sika Ebonex Discrete Anodes: Discrete impressed current cathodic protection (ICCP) anode system for longest and highest level of corrosion protection.



ANCHORING AND BONDING

Railing posts, masonry pins, signage, bumpers, brackets, handrails, and many other accessory products require anchoring and bonding as part of their installation. Many securement requirements can be addressed by the use of Sika AnchorFix adhesives for threaded and reinforcing bars, and SikaBond Construction Adhesive for more lightweight/non-structural applications.

Sika AnchorFix Adhesives: Two-component epoxy and epoxy acrylate adhesive anchor systems allow anchoring into concrete, natural stone, rock, and masonry substrates. Anchor close to free edges without expansion force limitations.

SikaBond Construction Adhesive: One-component polyurethane elastomeric adhesive suitable for lightweight non-structural applications including finish materials, trim and moldings, etc.



SEALANTS

Joints between dissimilar materials, control joints, crack repair, coving, fillets, window and door frames, reglets, flashings, expansion joints, and various other horizontal and vertical applications can be sealed with Sikaflex, Sikasil, and SikaHyflex sealants.

Sikaflex Sealants: One-component and two-component polyurethane sealants in self-leveling and non-sag formulations. Available in a range of modulus and movement capabilities to address various application requirements. Excellent adhesion to porous substrates. Paintable.

Sikasil Sealants: One-component silicone sealants in non-sag formulations. Available in a range of movement capabilities to address various application requirements. Excellent adhesion to non-porous substrates. Not paintable.

SikaHyflex Sealants: One-component, low modulus hybrid sealant suitable for application to both porous and non-porous substrates. Paintable.

CRACK AND SURFACE PROFILE REPAIR

Concrete substrates can develop extensive cracking due to shrinkage, applied stresses, or building movement. Concrete substrates can develop an uneven surface profile that is difficult to

recoat without excessive material usage. These types of conditions can be repaired by the use of Sikadur 55 SLV and Sikadur 22 Lo-Mod concrete restoration products, and Sikadur and SikaFix crack injection grouts.

Sikadur 55 SLV: Two-component, super low viscosity moisture-tolerant epoxy crack healer/penetrating sealer for repairing cracks in horizontal substrates.

Sikadur 22 Lo-Mod: Two-component low modulus, medium viscosity epoxy resin binder for leveling of uneven concrete profiles. Requires full aggregate broadcast.

Sikadur Crack Sealants: Two-component epoxy adhesives suitable for gravity feed, low pressure and high pressure crack injection.

SikaFix Expanding Chemical Grouts: One-component expanding polyurethane chemical grouts for saturated backer rod, low pressure and high pressure crack injection.



WALL COATINGS

The application of Sikagard coatings to concrete surfaces such as walls and the underside of balconies and concrete slabs will provide protection from ingress of carbon dioxide, chlorides and other water-borne salts, and provide resistance to weathering, frost and dirt pick-up. Sikagard coatings are not vapor barriers and will allow vapor transmission through the coating. Sikagard coatings provide a uniform silk finish in over 450 standard colors.

Sikagard 550W Elastocolor: One-component water-borne elastomeric acrylic protective coating. Bridges static and dynamically moving cracks.

Sikagard 570: One-component, UV-curing, water-borne elastomeric high build acrylic protective coating. Bridges static and dynamically moving cracks.

Sikagard 670W: Cost-effective, one-component water-borne acrylic protective coating.

SELECTED SIKA PRODUCTS FOR USE WITH Sikalastic® DeckPro Systems:

FAST SET REPAIR MORTARS

- SikaQuick® 1000
- SikaQuick® 2500
- SikaQuick® VOH



FAST CURE ADHESIVES

- Sika® AnchorFix-2
- Sika® AnchorFix-2 Artic
- Sika® AnchorFix-3001



FAST CURE SEALANTS

- Sikaflex® 1a
- Sikaflex® 11FC
- Sikaflex® 2cNS
- Sikaflex® 2cSL



FAST CURE EPOXIES

- Sikadur® 22 Lo-Mod
- Sikadur® 55 SLV



All sales of Sika products are subject to Sika's current Terms and Conditions of Sale available at www.usa.sika.com or by calling 201-933-8800. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet, which are available at www.usa.sika.com or by calling Technical Services at 1-800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

The sale of all Sika products are subject to the following Limited Warranty:

LIMITED MATERIAL WARRANTY

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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Our most current General Sales Conditions shall apply. Please consult the Product Data Sheets prior to any use and processing.

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