Sika develops and markets numerous admixtures and additives for use in concrete, cement and mortar production. These products enhance specific properties of the fresh or hardened material, such as workability, durability, or early and final strength.

Construction Sealants & Adhesives

Sika provides a full range of sealants for joint sealing in buildings and civil engineering structures. Sika's portfolio includes top-class elastic sealing and bonding solutions to meet all job site needs. The growing demand in this market is fueled by the sharper focus on energy efficient building envelopes, the ever greater variety of materials used in construction, the increasing volume of high-rise projects and the growing significance of health, safety and environmental issues.

Repair & Protection

Sika Repair & Protection product segment offers solutions which allow progressive construction to the required standards and optimize the construction process – Sika has been building for the future since 1910.

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CONTROL JOINT SEALANTS

Sikaflex®-1c SL
HIGH PERFORMANCE, SELF-LEVELING, 1-PART POLYURETHANE SEALANT

DESCRIPTION
Sikaflex-1c SL is a single component, self-leveling, premium-grade polyurethane sealant with an accelerated curing capacity. Meets Federal Specification TT-S-00230C, Type 1, Class A. Meets ASTM C-920, Type S, Grade P, Class 25, use T, M, A, G, I.

WHERE TO USE
Sikaflex-1c SL is used to seal horizontal expansion joints in concrete and cementitious slabs such as:

* Sidewalks
* Balconies
* Pavements
* Terraces
* Warehouses
* Factories
* Civil Structures
* Plazas
* Pitch Pans

ADVANTAGES
* 1-component, no mixing
* Self-leveling, pourable
* Accelerated curing
* Permanently elastic
* High durability
* Resists aging, weathering
* Excellent adhesion
* Convenient, easy-to-use packaging
* Jet fuel resistant

COVERAGE
10.1 fl. oz. cartridge seals 12 lineal ft. of 1/2 x 1/4 in. joint. 29 fl. oz. cartridge seals 36 lineal ft. of 1/2 x 1/4 in. joint.

PACKAGING
10.1 fl. oz. moisture-proof composite cartridges, 24/case. 29 oz. moisture-proof composite cartridges 12/case. 5 gallon pails.

Back to index
Control Joint Sealants

**Sikadur® 51 NS**
2-component, non-sagging, solvent-free, moisture-tolerant, flexible epoxy control joint sealer and adhesive

**Where to Use**

* Use to fill vertical and overhead non-moving, saw-cut construction control joints and cracks.
* Use as a flexible adhesive.

**Characteristics and Advantages**

* 2 to 1 ratio ensures easy mixing, easy handling.
* An adhesive with excellent flexibility.
* Excellent durability.
* Conforms to ACI 302.1R (4.10-Joint Materials).
* Shock-absorbent cure.
* Prevents deterioration of control-joint edges.
* Use as a security sealant.

**Color**

Concrete gray

**Packaging**

3 gallon units

*Back to index*
Control Joint Sealants

Sikadure® 51 SL
2-COMPONENT, SELF-LEVELING 100% SOLIDS, FLEXIBLE, CONTROL JOINT RESIN SEALER AND ADHESIVE

WHERE TO USE

* Use to fill horizontal, non-moving, saw cut construction control joints and cracks.
* Use as a flexible adhesive.

CHARACTERISTICS AND ADVANTAGES

* Prevents deterioration of joint edges.
* Excellent adhesive properties.
* Conforms to ACI 302.1R (4.10-Joint Materials).
* Ideal for use with plural injection type systems.
* Can be used on grades up to 15%.
* Shock absorbent and durable. Withstands wheel traffic and heavy loads.
* Use as a security sealant.

COLOR

Concrete Gray

PACKAGING

4 gallon units
Construction Sealants & Adhesives

SIKA Flex® 2C NS

2-COMPONENT, PREMIUM-GRADE, POLYURETHANE-BASED, ELASTOMERIC SEALANT

IT IS PRINCIPALLY A CHEMICAL CURE IN A NON-SAG CONSISTENCY.

WHERE TO USE

* Intended for use in all properly designed working joints with a minimum depth of 1/4 inch.
* Ideal for vertical and horizontal applications.
* Placeable at temperatures as low as 40°F.
* Adheres to most substrates commonly found in construction.
* Submerged environments, such as canal and reservoir joints.

CHARACTERISTICS AND ADVANTAGES

* Capable of ±50% joint movement.
* Chemical cure allows the sealant to be placed in joints exceeding 1/4 in. in depth.
* High elasticity with a tough, durable, flexible consistency.
* Exceptional cut and tear resistance.
* Exceptional adhesion to most substrates without priming.
* Available in 40 architectural colors.
* Color uniformity assured via Color-pak system.
* Available in pre-pigmented Limestone Gray (no Color-pak needed).
* Non-sag even in wide joints.
* Easy to mix.
* Paintable with water-, oil-, and rubber-base paints.
* Jet fuel resistant.

COLOR

A wide range of architectural colors are available. Special colors available on request.

PACKAGING

1.5 gal. unit. 3 gal units. Color-pak is purchased separately. Limestone Gray color available pre-pigmented.

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Construction Sealants & Adhesives

SIKAFLEx® 2C SL

SIKAFLex-2c SL is a 2-COMPONENT, PREMIUM-GRADE, POLYURETHANE-BASED, ELASTOMERIC SEALANT

It is principally a chemical cure in a self-leveling consistency. Meets ASTM C-920, Type M, Grade P, Class 25, use T, NT, M, G, A, O, I and Federal Specification TT-S-00227E, Type 1, Class A.

WHERE TO USE

* Intended for use in all properly designed working joints with a minimum depth of 1/4 inch.
* Ideal for horizontal applications.
* Placeable at temperatures as low as 40°F.
* Adheres to most substrates commonly found in construction.
* Submerged conditions, such as canal and reservoir joints.

CHARACTERISTICS AND ADVANTAGES

* True self-leveling properties.
* Capable of ±50% joint movement.
* Chemical cure allows the sealant to be placed in non-moving joints exceeding 1/2 in. in depth.
* High elasticity with a tough, durable, flexible consistency.
* Exceptional cut and tear resistance.
* Exceptional adhesion to most substrates without priming.
* Available in 35 architectural colors.
* Color uniformity assured via Color-pak system.
* Available in pre-pigmented Limestone Gray (no Color-pak needed).
* Self-leveling consistency, easy to apply in horizontal joints.
* Easy to mix.
* Paintable with water-, oil-, and rubber-base paints.
* Jet fuel resistant.
* No color-pak needed in pre-pigmented Limestone.

PACKAGING

1.5 gal. unit. 3 gal. units. Color-pak is purchased separately. Limestone Gray color available pre-pigmented.
Construction Sealants & Adhesives

**Sikaflex® 1A**

*Premium-grade, high-performance, moisture-cured,*

*1-component, polyurethane-based,*

*non-sag elastomeric sealant*

**Where to Use**

* Designed for all types of joints where maximum depth of sealant will not exceed 1/2 in.
* Excellent for small joints and fillets, windows, door frames, reglets, flashing, common roofing detail applications, and many construction adhesive applications.
* Suitable for vertical and horizontal joints; readily placeable at 40°F.
* Has many applications as an elastic adhesive between materials with dissimilar coefficients of expansion.
* Submerged conditions, such as canal and reservoir joints.

**Characteristics and Advantages**

* Eliminates time, effort, and equipment for mixing, filling cartridges, pre-heating or thawing, and cleaning of equipment.
* Fast tack-free and final cure times.
* High elasticity - cures to a tough, durable, flexible consistency with exceptional cut and tear-resistance.
* Stress relaxation.
* Excellent adhesion - bonds to most construction materials without a primer.
* Excellent resistance to aging, weathering.
* Proven in tough climates around the world.
* Odorless, non-staining.
* Jet fuel resistant.
* Certified to the NSF/ANSI Standard 61 for potable water contact.
* Urethane-based; suggested by EPA for radon reduction.
* Paintable with water-, oil- and rubber-based paints.
* Capable of ±35% joint movement.

**Color**

White, colonial white, aluminum gray, limestone, black, dark bronze, capitol tan. Special architectural colors on request.

**Packaging**

Disposable 10.1 fl. oz., moisture-proof composite cartridges, 24/case; and uni-pac sausages, 20 fl. oz., 20/carton.

*Back to index*
Sikaflex®-15 LM

HIGH-PERFORMANCE, LOW-MODULUS ELASTOMERIC SEALANT


WHERE TO USE

* Excellent for moving joints in vertical applications.
* Suitable for use between similar as well as dissimilar materials.
* Typical applications include joints in concrete panel and wall systems, around window and door frames, reglets, flashing, common roofing detail applications, etc.
* Exceptional sealant choice for high-rise and facade applications where high movement capability is required.

CHARACTERISTICS AND ADVANTAGES

* Low modulus of elasticity.
* Easy and ready to use.
* Eliminates time, effort, waste, and equipment clean-up.
* Cures to a durable, flexible consistency.
* Exceptional cut and tear resistance.
* Stress relaxation properties.
* Excellent adhesion.
* Bonds to most construction materials without a primer.
* Paintable with water-, oil- and rubber based paints.
* Excellent resistance to aging, weathering.
* Jet fuel resistant.
* Proven in tough climates around the world.
* Non-leaching.
* Capable of +100% / -50% joint movement.
* Two-hour UL fire rating when used with Ultra Block®.

PACKAGING

10.1 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 in. x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 in. x 1/4 in. joint.

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SikaFlex® Sealant/Adhesive Primers
260/205, 429/202, 449/203

Sikaflex primers are special materials formulated to improve the bond of Sikaflex urethane sealants when applied to specific substrates.

**Sikaflex Primer 260/205 Sikaflex Primer 260/205**
Promotes adhesion of urethane sealants to various metallic, non-metallic, and plastic substrates.

**Sikaflex Primer 429/202 Sikaflex Primer 429/202**
Promotes adhesion to clean, sound, and dry concrete, masonry, Exterior Insulation Finish Systems (EIFS), and wood — including teak and mahogany.

**Sikaflex Primer 449/203 Sikaflex Primer 449/203**
Is used to promote adhesion to pvc, solvent-based enamel, PPG’s fluorocarbon Duranar-finish, and certain plastics such as ABS and Plexiglass.

**Where to Use**

Most substrates require a primer only if testing shows need for it or where the sealant will be underwater after cure. Certain substrates do require a primer under all conditions.

**Characteristics and Advantages**

* Single-component, ready to use.
* Easily applied by brush, dauber, or spray.
Construction Sealants - Silicone

Sikasil® WS-290

Sikasil WS-290 is a one-part, neutral-curing, ultra low-modulus silicone sealant that cures to a durable, flexible building sealant. Sikasil WS-290 performs exceptionally well under dynamic conditions due to its ultra-low modulus, high extension/compression, recovery properties and strong adhesion to most building materials.

Where to Use

Sikasil WS-290 silicone sealant is designed primarily for sealing expansion and control joints in precast concrete panels, architectural stones, metal curtainwalls, perimeter sealing of doors and windows, Exterior Insulation Finish Systems (EIFS) and numerous other areas requiring a high-performance sealant.

Packaging

10.0 fl.oz (.295 ml) plastic cartridges, 20 fl.oz (.600 ml) sausages

Sikasil® WS-295

Sikasil WS 295 sealant is a one part, neutral cure silicone sealant for use in most common weatherproofing applications on a wide variety of materials.

Where to Use

Sikasil WS-295 silicone sealant has been specifically designed for:

* As a weatherseal in both conventional glazing and structural glazing applications, including cap, toe and heel beads
* As a weatherseal in glass to glass butt joint glazing
* Sealing expansion and control joints in precast concrete panels and metal curtain walls.
* Perimeter sealing of doors, windows and other building components
* Adhering stiffeners to building panels
* Excellent for use in unitized curtain wall systems

Packaging

10.0 fl.oz (.295 ml) cartridge, 20 fl.oz (.600 ml) sausage

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Construction Sealants - Silicone

**Sikasil®-GP**

Sikasil®-GP is a general purpose, one-component, non-sag, elastomeric, 100% RTV acetoxy silicone sealant. Meets the requirements of ASTM C-920, Type S, Grade NS, Class 25, Use NT, G, A, O; TT-S-01543A, Class A; CAN/CGSB-19.13-M87, recognized under UL QMFZ2, MIL-A- 46106, ANSI/NSF Standard 51 for direct food contact and California Air Resources Board 2003 requirements for Volatile Organic Compound content. Maintains elastomeric properties up to 450°F continuous, 500°F intermittent. HT (High Temperature) red up to 500 continuous, 550°F intermittent. Meets federal specification TT-S-005143A, Class A.

**Where to Use**

* Sealing & glazing of windows, doors and skylights
* Conventional glazing and Storefronts
* Kitchen and bath countertops, Sanitary seals
* HVAC, Plumbing, Roofing
* Sealing trucks, trailers and RVs
* Marine applications
* Appliance Assembly

Typical Substrates: Glass, aluminum, tile, fiberglass, plastic, ceramic, wood, steel and painted metals

**Characteristics and Advantages**

* One-component ready to use
* Excellent for dynamic joint movement & dissimilar materials, Joint movement ±25%
* Excellent adhesion, bonds to many substrates without priming
* Fast Cure - Move assembled or sealed parts quickly
* Wide service temperature / durability
* Superior gunning & tooling
* High temperature red for temperature resistance up to 550°F
* Anti microbial additive for mold resistance (except translucent)

**Color**

Aluminum, Black, Bronze, Clear, White, Metallic Aluminum

**Packaging**

295 ml cartridge, 52 gal drum

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Anchoring Adhesives

**Sika® AnchorFix®-2**

**TWO-COMPONENT, SOLVENT- AND STYRENE-FREE, MODIFIED-ACRYLIC ANCHORING ADHESIVE**

**WHERE TO USE**

As a fast-curing anchoring adhesive for all grades of rebars, threaded rods, bolts and special fastening systems. Install in concrete and masonry base materials.

* Uncracked concrete
* Hard natural stone
* Solid rock
* Solid masonry

**CHARACTERISTICS AND ADVANTAGES**

* Low sensitivity to mixing errors and Fast-curing.
* Styrene-free, solvent-free and Low odor.
* Low waste and Moisture tolerant.
* Can be dispensed/mixed with a standard, good quality caulking gun.

**COLOR**

Uniform gray

**PACKAGING**

10.1 fl.oz. (300 ml) or 28.7 fl.oz. (850 ml) cartridge.
Additives and Accessories

**RUGASOL-S®**
**SURFACE RETARDANT**

**Spray Applied, Water Soluble Liquid, Formulated to Retard the Set of Surface Mortar in Concrete to Enable the Aggregate to be Exposed**

**Where to Use**

Rugasol-S may be used to obtain an architectural finish on concrete slabs by exposing the natural color and texture of the aggregates. The rough finish obtained from this method may be used as a mechanical key for the subsequent lifting or rendering of the concrete.

**Characteristics and Advantages**

- Architectural quality appearance with original color and texture of the aggregate without sandblasting.
- Easy, economical removal of the concrete surface without laborious hacking, chipping or blasting required.
- No danger of acid residue from strong washing compounds.
- Easy to apply, less supervision of field personnel, no expensive equipment required.
- Uniform coverage results in uniform aggregate exposure.

**Color**

Bright Green Liquid.

**Packaging**

5 gallon (18.9 liter) pails and 55 gallon (208 liter) drums.

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Where to Use

* As an anti-corrosion coating for reinforcing steel in concrete restoration.
* As added protection to reinforcing steel in areas of thin concrete cover.
* As a bonding agent for repairs to concrete and steel.
* As a bonding agent for placing fresh, plastic concrete to existing hardened concrete.

Characteristics and Advantages

* Excellent adhesion to concrete and steel.
* Acts as an effective barrier against penetration of water and chlorides.
* Long open time - up to 16 hours.
* Not a vapor barrier.
* Can be used exterior on-grade.
* Contains corrosion inhibitors.
* Excellent bonding bridge for cement or epoxy based repair mortars.
* High strength, unaffected by moisture when cured.
* Spray, brush or roller application.
* Non-flammable, solvent free.

Color

Concrete gray

Packaging

3.5 gal. unit. (47.6 fl. oz. Comp. A + 122.1 fl. oz. Comp. B + 46.82 lb. Comp. C) Comp. A + B in carton, Comp. C in multi-wall bag. 1.65 gal. unit. (22.7 fl. oz. A + 7.6 fl. oz. B + 4 bags @ 5.5 lb.) Factory-proportioned units in a pail.
Sika® MonoTop® 611

One-Component, Polymer-Modified, Silica Fume Enhanced, Cementitious Pump and Pour Mortar

Sika® MonoTop® 611 is a 1-component silica fume-enhanced, polymer-modified, portland-cement, mortar.

Where to Use

* On grade, above, and below grade on concrete and mortar.
* On horizontal, vertical and overhead surfaces.
* As a structural repair material for parking facilities, industrial plants, walkways, bridges, tunnels, and dams.
* Free-flowing repair mortar for hard-to-reach areas.
* Filler for voids and cavities.
* For underwater application in conjunction with Sikament® 100SC. Consult Technical Service for dosage information. Independent test data is available however on site testing is recommended to confirm performance under actual field conditions.

Characteristics and Advantages

* Superior abrasion resistance over conventional portland cement mortar.
* High bond strength.
* Compatible with coefficient of thermal expansion of concrete.
* Increased resistance to deicing salts.
* High early strengths.
* Simple-to-use labor-saving system.
* Easily mixed.
* High compressive and flexural strengths.
* Good freeze/thaw resistance.
* Easily applied to clean, sound substrate.

Coverage

Approximately 0.42 cu. ft./unit. Approximately 0.67 cu. ft./unit (50 lbs. of MT 611+42 lbs. 3/8” pea gravel)

Packaging

50-lb. multi-wall bag.
Concrete Repair and Protection - Horizontal

SikaRepair® 222
ONE-COMPONENT, EARLY STRENGTH GAINING, CEMENTITIOUS, PATCHING MATERIAL FOR HORIZONTAL REPAIR OF CONCRETE.

WHERE TO USE

* On grade, above and below grade on concrete and mortar.
* As a repair material for spalled horizontal concrete surfaces, walkways, ramps, steps, etc.

CHARACTERISTICS AND ADVANTAGES

* Easy-to-use; just add water.
* Not a vapor barrier.
* Suitable for exterior and interior applications.
* Not flammable, non-toxic.
* Easily applied to clean, sound substrate.
* High early strengths.

COLOR

Concrete gray

PACKAGING

50 lb. multi-wall bag. SikaLatex R - 1 gal. plastic jug; 4/carton, 5 gal. pails

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Concrete Repair and Protection - Horizontal

**SikaTop®-122 PLUS**

**Two-component, polymer-modified, portland-cement, fast-setting, trowel-grade mortar.**

It is a high performance repair mortar for horizontal and vertical surfaces and offers the additional benefit of FerroGard 901, a penetrating corrosion inhibitor.

**WHERE TO USE**

* On grade, above, and below grade on concrete and mortar.
* On horizontal surfaces.
* As a structural repair material for parking structures, industrial plants, walkways, bridges, tunnels, dams, and ramps.
* To level concrete surfaces.
* As an overlay system for topping/resurfacing concrete.
* Overlay in cathodic protection systems.

**CHARACTERISTICS AND ADVANTAGES**

* High compressive and flexural strengths.
* High early strengths. Opens to traffic fast: foot in 4-6 hours, pneumatic tire in 8-12 hours.
* High abrasion resistance.
* Increased freeze/thaw durability and resistance to deicing salts.
* Compatible with coefficient of thermal expansion of concrete - Passes ASTM C-884 (modified).
* Increased density - improved carbon dioxide resistance (carbonation) without adversely affecting water vapor transmission (not a vapor barrier).
* Enhanced with FerroGard 901, a penetrating corrosion inhibitor - reduces corrosion even in the adjacent concrete.
* Not flammable, non-toxic.
* Conforms to ECA/USPHS standards for surface contact with potable water.
* USDA approved for food industry.
* ANSI/NSF Standard 61 potable water approved.

**COLOR**

Concrete gray when mixed.

**PACKAGING**


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Concrete Repair and Protection - Horizontal

**SikaQuick® 1000**

ONE COMPONENT, RAPID HARDENING, EARLY STRENGTH GAINING, CEMENTITIOUS, PATCHING MATERIAL FOR CONCRETE.

**Where to Use**

* Use on grade, above, and below grade on concrete.
* Highway overlays and repairs.
* Structural repair material for concrete roadways, parking structures, bridges, dams and ramps.
* Full depth patching repairs.
* Economical patching material for horizontal repairs of concrete and mortar.

**Characteristics and Advantages**

* Specially suited for hot weather applications when extended working time is required.
* Rapid hardening as defined by ASTM C-928.
* Allows application of an epoxy coating within 6 hours (73°F/50%R.H.).
* Freeze/thaw resistant.
* Easy to use, labor-saving material.
* Contains no added chlorides.
* Not gypsum-based.
* High early strength.
* Open to foot traffic in 4 hours; to vehicle traffic in 6 hours (at 73°F).
* Easily applied to clean, sound substrate.
* Not a vapor barrier.

**Color**

Concrete gray.

**Packaging**

50-lb. multi-wall bag.

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Concrete Repair and Protection - Horizontal

**SikaQuick® 2500**

1-COMPONENT, VERY RAPID HARDENING, EARLY STRENGTH GAINING, CEMENTITIOUS, PATCHING MATERIAL FOR CONCRETE.

**Where to Use**

* Use on grade, above, and below grade on concrete.
* Highway overlays and repairs.
* Structural repair material for concrete roadways, parking structures, bridges, dams and ramps.
* Full depth patching repairs.
* Economical patching material for horizontal repairs of concrete and mortar.

**Characteristics and Advantages**

* Very rapid hardening as defined by ASTM C-928.
* Allows application of an epoxy coating within 4 hours (73°F/50%R.H.).
* Freeze/thaw resistant.
* Easy to use, labor-saving material.
* Contains no added chlorides.
* Not gypsum-based.
* High early strength.
* Fast-setting.
* Open to foot traffic in 45 minutes; to vehicle traffic in 1 hour (at 73°F).
* Easily applied to clean, sound substrate.
* Not a vapor barrier.

**Color**

Concrete gray.

**Packaging**

50-lb. multi-wall bag.
Concrete Repair and Protection - Vertical

**SikaRepair® SHB**

One-component, cementitious ready to use repair mortar. It is a multi-purpose mortar which can be applied by trowel or low pressure wet spray process. The incorporation of low density aggregates allows high build applications on vertical and overhead surfaces. SikaLatex R or SikaLatex may be used instead of water for a two component, polymer-modified repair mortar.

**WHERE TO USE**

* Fast repairs to overhead and vertical concrete on mortar surfaces on grade, above and below grade.
* As a repair material for building facades, parking structures, industrial plants, bridges, etc.

**CHARACTERISTICS AND ADVANTAGES**

* Time/labor-saving material; application up to 3 inches on vertical surfaces in one layer.
* Application by hand or low pressure wet spray method.
* Easy to use; just add water.
* High bond strength ensures excellent adhesion.
* Good, early and ultimate strength.
* Increased freeze/thaw durability and resistance to deicing salts.
* Easy to clean.
* Suitable for exterior and interior applications.
* Not a vapor barrier.

**COLOR**

Concrete gray

**PACKAGING**

25 lb. bag, 60/pallet, 50 lb. (22.7 kg.) multi-wall bag. SikaLatex (R): 1 gal. plastic jug; 4/carton, 5 gal. pails.

Concrete Repair and Protection - Hand Applied Mortars - Vertical

**SikaQuick® VOH**

SikaQuick® VOH is a fast setting, one component, ready-to-use repair mortar for vertical and overhead applications using specialty cement blends.

*Product PDF*

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Concrete Repair and Protection - Vertical

**SikaTop®-123 Plus**

Two-component, polymer-modified, portland cement, fast-setting, non-sag mortar. It is a high performance repair mortar for vertical and overhead surfaces, and offers the additional benefit of FerroGard 901, a penetrating corrosion inhibitor.

**WHERE TO USE**

* On grade, above, and below grade on concrete and mortar.
* On vertical and overhead surfaces.
* As a structural repair material for parking structures, industrial plants, water/waste water treatment facilities, roads, walkways, bridges, tunnels, dams, ramps, etc.
* Approved for repairs over cathodic protection systems.

**CHARACTERISTICS AND ADVANTAGES**

* High compressive and flexural strengths.
* High early strengths.
* Increased freeze/thaw durability and resistance to de-icing salts.
* Compatible with coefficient of thermal expansion of concrete - Passes ASTM C-884 (modified).
* Increased density - improved carbon dioxide resistance (carbonation) without adversely affecting water vapor transmission (not a vapor barrier).
* Enhanced with FerroGard 901, a penetrating corrosion inhibitor - reduces corrosion even in the adjacent concrete.
* Not flammable, non-toxic.
* Conforms to ECA/USPHS standards for surface contact with potable water.
* USDA approved.
* ANSI/NSF Standard 61 potable water approved.

**COLOR**

Concrete gray when mixed.

**PACKAGING**


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Concrete Repair and Protection - Mortar

SikaTop® 111 Plus

Two-component, polymer-modified, portland-cement, fast-setting, screed mortar. It is a performance repair mortar for horizontal, vertical and overhead applications or form and pour application. It offers the additional benefit of FerroGard 901, a penetrating corrosion inhibitor.

WHERE TO USE

* On grade, above, and below grade on concrete and mortar.
* On horizontal, vertical and overhead surfaces.
* As a structural repair material for parking facilities, industrial plants, walkways, bridges, tunnels, and dams.
* Free-flowing repair mortar for hard-to-reach areas.
* Filler for voids and cavities.
* Overlay in cathodic protection systems.

COLOR

Concrete gray when mixed.

PACKAGING

Concrete Repair and Protection - Protective Leveling
Mortars/Surface Fillers

**SikaTop® Seal-107**

Two-component, polymer-modified, cementitious waterproofing and protective slurry mortar for concrete. It is slightly flexible to tolerate fine cracks and suitable in both interior and exterior applications.

**Where to Use**

* Horizontal surfaces subjected to light foot traffic (balconies).
* For waterproofing of drinking water, tanks, reservoirs, and clearwells.
* For internal and external waterproofing and dampproofing concrete, mortar blockwork and brickwork.
* For protection of concrete structures against the deleterious effects of deicing salts and freeze/thaw cycles.
* For sealing “hairline” cracks in concrete structures not subject to movement surfaces.
* For interior and exterior waterproofing of basements.
* Vertical surfaces.

**Characteristics and Advantages**

* Improves the watertightness of water-containing concrete tanks, reservoirs, and clearwells.
* Protects against water penetration, yet water vapor permeable (breathable).
* Excellent freeze/thaw resistance.
* Good adhesion to sound, prepared substrates.
* Easy and fast mixing and application.
* Good abrasion resistance.
* Protects against concrete carbonation (80 mils SikaTop Seal 107 is equivalent to 6 inches of concrete).
* Can be mixed to slurry or trowelable consistency.
* Improves concrete/masonry appearance.
* Available in concrete gray and off-white.
* Approved for potable water contact.

**Color**

Concrete gray and off white.

**Packaging**

44 lb. unit - when mixed yields 2.65 gallons (10 l)
Concrete Repair and Protection - Cement

**SikaTop®-144**

Polymer-modified, 2-component, cementitious coating. Designed for use on concrete, mortar, and masonry substrates. Easily applied by brush, roller, or spray equipment. This fine-textured, abrasion-resistant coating is used for protection against deicing salts and for dampproofing/waterproofing.

**Where to Use**

* Use on grade, above, and below grade on concrete, masonry, and mortar.
* Use on horizontal, vertical, and overhead surfaces, both interior and exterior.
* Potable water tanks.
* Use as a coating over newly repaired concrete to provide a monolithic/uniform appearance.
* Use as a protective coating to reduce the affect of deicing salt on concrete.
* Use as a protective coating for waterproofing, dampproofing, and improved resistance to weathering.
* Use on concrete and masonry substrates to improve abrasion resistance to foot traffic and light pneumatic-tire traffic.
* Use to coat the backside of architectural curtain wall panels to prevent water intrusion from the outside.

**Characteristics and Advantages**

* Potable water approved.
* Bond strength ensures superior adhesion.
* Increases resistance of substrate to deicing salts.
* Does not create a vapor barrier.
* No mix water needed...liquid co-polymer triggers special blend of cements, fillers, and admixtures.
* Superior abrasion resistance.
* No batching...factory proportioned unit ensures consistent composition and high quality.
  Non-flammable; low odor.
* Easily applied to clean, sound substrates.
* Approved for use in contact with potable water.
* USDA-approved for use in food plants.
* May be overcoated with Sikagard protective coatings.

**Color**

White and cement-gray.

**Packaging**

5-gal. unit consisting of 3.5-gal. plastic pail of Component 'A' and a 45-lb. multi-wall bag of Component ‘B’.

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Additives and Accessories

SikaLatex® R

Acrylic-polymer latex. It is a non-reemulsifiable, general-purpose admixture to produce polymer-modified concrete and mortar.

Where to Use

* An admixture in mortar and concrete to improve adhesion, and achieve a denser surface.
* Use in patching and flash coats. Use with stucco and terrazzo.
* As a bonding grout when mixed with sand and portland cement.
* For use with SikaRepair to improve the mortar and increase the adhesion and performance.

Characteristics and Advantages

* Mortar and concrete containing SikaLatex R exhibit improved adhesion to prepared substrates.
* Increased adhesive strength of mortar/concrete when used as a bonding agent or as a bonding grout.
* Increased resistance to freeze/thaw durability.
* Does not produce a vapor barrier.
* USDA-approved.

Color

Milky-white.

Packaging

1 gal. jug, 4/case; 5 gal. pails; 55 gal. drums. 1 quart, 6/case.
Multi-purpose Structural Adhesives

SikaDur® 31 Hi-Mod Gel

2-COMPONENT, 100% SOLIDS, SOLVENT-FREE, MOISTURE-TOLERANT, HIGH-MODULUS, HIGH-STRENGTH, STRUCTURAL EPOXY PASTE ADHESIVE

Where to Use

* Structural bonding of concrete, masonry, metals, wood, etc. to a maximum glue line of 1/8 in. (3 mm).
* Grout bolts, dowels, and pins.
* Seals cracks and around injection ports prior to pressure-injection grouting.
* Interior, vertical, and overhead repair of concrete as an epoxy mortar binder.
* As a pick-proof sealant around windows, doors, lock-ups etc. inside correctional facilities.

Characteristics and Advantages

* Meets physical requirements of ASTM C-881 Types I, II & IV, Grade 3, Classes B & C.
* Suitable for potable water contact, meets NSF/ANSI Standard 61.
* Excellent adhesion to concrete, masonry, metals, wood, and most structural materials.
* Paste consistency ideal for vertical and overhead repair of concrete.
* Fast-setting and strength-producing adhesive.
* Convenient easy mix ratio A:B = 1:1 by volume.

Color

Gray

Packaging

3 gal. (11.4 L) units.
Multi-purpose Structural Adhesives

SikaDur® 32 HI-Mod
Multi-purpose, 2-component, 100% solids, moisture-tolerant structural epoxy adhesive

Where to Use

* Bond fresh, plastic concrete to hardened concrete and steel.
* Grout horizontal cracks in structural concrete and wood by gravity feed.
* Machinery and ‘robotic’ base-plate grout.
* Structural adhesive for concrete, masonry, metal, wood, etc.

Characteristics and Advantages

* Super-strength bonding/grouting adhesive.
* Tolerant to moisture before, during and after cure.
* Excellent adhesion to most structural materials.
* Convenient easy-to-mix ratio A:B = 1:1 by volume.
* Easy-to-use for bonding/grouting applications.
* Fast initial set; rapid gain to ultimate strengths.
* USDA-certified for use in food plants.

Color

Sikadur-31, SBA Normal Set Concrete gray Sikadur 31, SBA (20-45°F) Concrete gray Sikadur 31, SBA Slow Set Concrete gray

Packaging

2 and 4 gal. units; 1kg. unit (25.6 fl.oz.), 6/case, 75/pallet; 2.5 kg. unit (63.8 fl.oz.), 2/case, 90/pallet
Multi-purpose Structural Adhesives

Sikadur® 35 Hi-Mod LV
2-COMPONENT, 100% SOLIDS, MOISTURE-TOLERANT, LOW-VISCOSITY, HIGH-STRENGTH, MULTIPURPOSE, EPOXY RESIN ADHESIVE.

WHERE TO USE

* Pressure-injection of cracks in structural concrete, masonry, wood, etc.
* Gravity-feed of cracks in horizontal concrete and masonry.
* Epoxy resin binder for epoxy mortar patching and overlay of interior, horizontal surfaces.
* Seal interior slabs and exterior above-grade slabs from water, chlorides, and mild chemical attack; also improves wearability.

CHARACTERISTICS AND ADVANTAGES

* Super low viscosity.
* Convenient easy mix ratio A:B = 2:1 by volume.
* Unique, high-strength, structural adhesive for “can’t dry” surfaces.
* Deep penetrating and tenacious bonding of cracks in structural concrete.
* High-early-strength developing adhesive.
* Excellent chemical resistance for flooring systems.

COLOR

Clear, amber.

PACKAGING

3 gal. units; 1 gal. units, 2/case; 12 fl.-oz. units, 12/case.

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Crack Healer Sealer

**SikaDur® 55 SLV**

2-COMPONENT, 100% SOLIDS, MOISTURE-TOLERANT, EPOXY CRACK HEALER / PENETRATING SEALER, HAVING A FAST TACK-FREE TIME TO MINIMIZE DOWNTIME.

**Where to Use**

* Sikadur 55 SLV structurally repairs cracked concrete.
* For interior slabs and exterior above-grade slabs.
* For elevated horizontal decks, parking garages and other structures exposed to foot and pneumatic tire traffic.

**Characteristics and Advantages**

* Super low viscosity/low surface tension for excellent penetration into cracks.
* Penetrates cracks by gravity down to 2 mils (0.002” / 0.05 mm) in width.
* Prolongs life of cracked concrete.
* Penetrates/seals surface of slabs from water absorption, chloride-ion intrusion, and chemical attack.
* Structurally improves concrete surface.
* Can be open to traffic in 6 hours at 73°F (23°C).
* High bond strength, even in damp cracks.
* U.S. Patent No. (pending) for ultra low viscosity healer/sealer to strengthen cracked concrete.

**Color**

Clear, amber

**Packaging**

3 gal. (11.35 l) unit = ‘A’ = 2 gal. (7.6 l) + ‘B’ = 1 gal. (3.8 l)
Epoxy Resin Mortar Products

**SikaDur® 22 Lo-Mod**

An epoxy hybrid, single component, elastomeric, crack-bridging polyurethane-based waterproofing pedestrian traffic system with integral epoxy wear course

**Where to Use**

Use neat as the binder resin for a skid-resistant broadcast overlay. Use also as the binder resin for epoxy mortar and concrete for patching and overlays.

**Characteristics and Advantages**

* Tolerant to moisture both before and after cure.
* Convenient easy mix ratio A:B = 1:1 by volume.
* Excellent strength development.
* Low viscosity for easy, efficient application of a broadcast overlay
* Material is USDA-certifiable.

**Color**

Clear to light amber.

**Packaging**

4 gal. units

**System 1 Includes:**

- Sikalastic 710 aromatic polyurethane waterproofing membrane
- Sikadur 22 Lo-Mod low-modulus, medium viscosity, epoxy resin wear course
- (Optional) Sikalastic 715 UV-resistant aromatic polyurethane seal coat or
- (Optional) Sikalastic 735 AL UV-stable aliphatic polyurethane seal coat

**System 2 Includes:**

- Sikalastic 720 aromatic polyurethane waterproofing membrane
- Sikadur 22 Lo-Mod low-modulus, medium viscosity, epoxy resin wear course
- (Optional) Sikalastic 745 AL UV-stable aliphatic polyurethane seal coat or
- (Optional) Sikalastic 735 AL UV-stable aliphatic polyurethane seal coat

System 3 includes:

- Sikalastic 390 aromatic polyurethane waterproofing membrane
- Sikadur 22 Lo-Mod low-modulus, medium viscosity, epoxy resin wear course
- (Optional) Sikalastic 394 AL UV-stable aliphatic polyurethane seal coat

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Liquid Applied Waterproofing - Primers

**Sikafloor® FTP (Fast Track Primer)**

Three-component, 36% solids, waterborne-epoxy. As a moisture vapor treatment, Sikafloor FTP will reduce water vapor levels from as high as 8 lbs. per 1.000 sq.ft. to below the acceptable level of 3 lbs. per 1.000 sq.ft in a single coat. This application requires a shotblasted surface.

**WHERE TO USE**

Use as a moisture vapor treatment under Sikafloor epoxy and urethane coatings as well as broadcast and troweled systems.

**CHARACTERISTICS AND ADVANTAGES**

* Low VOC
* Eliminates the need for shotblasting prior to coating application as green concrete primer
* Fast dry time
* Low odor
* Moisture tolerant
* Meets ASTM C-309 requirement for use as a concrete curing compound

**PACKAGING**

Sikafloor FTP is packaged in pre-proportioned kits. The kit consists of a gallon can (3.78 L) of Resin and a short-filled five gallon (18.9 L) pail of Hardener. The kit will yield 4.75 gallons (17.9 L) of mixed product after the required reduction with water.
Epoxy Resin Mortar Products

SikaDur® 42, Grout-Pak

3-COMPONENT, 100% SOLIDS, MOISTURE-TOLERANT, EPOXY BASEPLATE GROUTING SYSTEM

Where to Use

* Precision seating of baseplates.
* Precision grouting of wind turbine tower bases requiring rapid strength gain.
* Grouting under equipment, including heavy impact and vibratory machinery, reciprocating engines, compressors, pumps, presses, etc.
* Grouting for “pour-back” anchorage on post tensioning projects (e.g. segmental bridge).
* Grouting under crane rails.

Characteristics and Advantages

* Ready to mix, pre-proportioned kit
* Non-shrink
* Moisture-tolerant
* Corrosion and impact resistant
* Stress and chemical resistant
* Long working time
* High vibration resistance
* Fast strength gain
* Low peak exothermic system for large pours
* High effective bearing area
* Excellent flowability
* USDA certifiable

Color

Concrete gray

Packaging

0.5 cu. ft. kit: Contains 0.9 gal. epoxy (Component A and Component B in a 5 gal. pail separated with a topliner), and 50 lbs. aggregate (Component C) in a multi-wall bag.

1.5 cu. ft. kit: Contains 2.7 gal. epoxy (Component A in a 5 gal. pail and Component B in a 2 gal. pail) and 150 lbs. aggregate (Component C) in three 50 lb. multi-wall bags.
Traffic Waterproofing Systems

**Sikalastic® 710**

**Sikalastic 710 Base is a one-component aromatic polyurethane base coat.**

A single component, elastomeric, crack-bridging polyurethane-based waterproofing pedestrian traffic system with integral wear course. System includes:

* Sikalastic 710 aromatic polyurethane waterproofing membrane
* Sikalastic 715 UV-resistant aromatic polyurethane wear course or
* Sikalastic 735 AL UV-stable aliphatic polyurethane wear course

An epoxy hybrid, single component, elastomeric, crack-bridging polyurethane-based waterproofing pedestrian traffic system with integral epoxy wear course. System includes:

* Sikalastic 710 aromatic polyurethane waterproofing membrane
* Sikadur 22 Lo-Mod low-modulus, medium viscosity, epoxy resin wear course
* Optional) Sikalastic 715 UV-resistant aromatic polyurethane seal coat or
* (Optional) Sikalastic 735 AL UV-stable aliphatic polyurethane seal coat

A single component, elastomeric, crack-bridging polyurethane-based waterproofing pedestrian traffic system with integral wear course of DecoQuartz aggregate color blend or DecoFlake color blend. System includes:

* Sikalastic 710 aromatic polyurethane waterproofing membrane
* Sikalastic 735 AL UV-stable aliphatic polyurethane wear course
* Sikalastic 748 PA UV-stable polyasparctic seal coat

**Packaging**

5 gal. pails, 50 gal. (net) drums

**Sikalastic® 715**

**Sikalastic 715 is a one-component aromatic polyurethane top coat (suitable for UV exposure).**

A single component, elastomeric, crack-bridging polyurethane-based waterproofing pedestrian traffic system with integral wear course. System includes:

* Sikalastic 710 aromatic polyurethane waterproofing membrane
* Sikalastic 715 UV-resistant aromatic polyurethane wear course or
* Sikalastic 735 AL UV-stable aliphatic polyurethane wear course

**Packaging**

5 gal. pails, 50 gal. (net) drums

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Waterproofing Injection

**SikaFix® HH+**

SikaFix HH+ is a hydrophobic polyurethane foam grout, that when used alone or with SikaFix HH accelerator, is designed to stop water infiltration and fill voids outside a structure or joint and cracks in concrete structures. It may also be used in applications with high pressure flowing water.

**WHERE TO USE**

* Fill joints or cracks in concrete structures that exhibit some movement
* Fill voids such as rock fissures, crushed fault or gravel layers
* May be used in applications with high pressure water flow
* Curtain wall grouting below grade structures

**CHARACTERISTICS AND ADVANTAGES**

* Easy to apply, One component with accelerator
* Hydrophobic, only a small amount of water is needed for reaction
* Expands 15 times the liquid volume
* Nonflammable
* Adjustable set times using accelerator
* Contains no volatile solvents
* ANSI/NSF 61 approved for potable water contact

**PACKAGING**

5 gallon pail.

SikaFix HH accelerator is available in 25 oz. cans 8/case and SikaFix Pump Flush is available in 5 gallon pails. Sold separately.

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SikaHyflex®-150 LM

SikaHyflex®-150 LM is a premium-grade, high movement, fast curing, one component, non-sag, elastomeric, hybrid sealant. Meets ASTM C-920, Type S, Grade NS, Class 50, use NT, M, A, G, O.

WHERE TO USE

* For joints or gaps connecting dissimilar substrates – e.g. vinyl to concrete, aluminum to EIFS.
* Window Perimeter
* Expansion joints
* Curtain Wall construction
* For applications that require both paintability and adhesion to non-porous substrates
* When easy cold weather application is desired

CHARACTERISTICS AND ADVANTAGES

* Fast skin time
* Multi-substrate adhesion
* Superior UV resistance and weathering
* Color retention – white stays white
* Can be over-painted soon after application (once skin has formed).
* Very low VOC < 12g/L
* Non-staining

COVERAGE

10.1 fl. oz. cartridge seals 12.2 linear ft. of 1/2 x 1/4 in. joint.
20 fl. oz. uni-pac sausage seals 24 linear ft. of 1/2 x 1/4 in. joint.

PACKAGING

10.1 fl. oz. Cartridge
20 fl. oz. Uni-pac sausage

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