

Products Sika has a sealant for every application



Sikaflex®-1a

The all purpose construction sealant. One-component, all-purpose sealant with +/-35% joint movement capability. Easy to gun, easy to tool, fast tack-free time and primerless adhesion to a wide variety of construction substrates.



Sikaflex®-15LM

Ultra low modulus construction sealant. One-component sealant offering +100%/-50% joint movement. Excellent in high-rise building applications requiring high movement capability.



Sikaflex®-11FC

Adhesive and sealant. One-component, multi-purpose, fast curing sealant/adhesive with 12.5% joint movement capability.



Sikaflex®-1c SL

Self-leveling construction sealant. One-component, self-leveling sealant with +/-25% joint movement capability. Highly durable with fast cure for traffic bearing and specially suited for horizontal expansion and control joints.



Sikaflex®-Textured Sealant

All purpose construction sealant with a textured appearance. One-component, all purpose sealant with +/-25% joint movement capability. Blends in with rough substrates.



Sikaflex®-2c NS/SL

Non-sag and self-leveling construction sealants. Two-component chemically curing polyurethane with +/-50% joint movement capability. Traffic Grade (TG) component is available for 2c NS to achieve higher Shore A hardness. Available in over 35 standard colors and custom colors for color critical applications.



Sikasil® WS-290

Ultra low modulus silicone sealant. One-component, neutral cure silicone sealant with +100%/-50% movement. Designed for weatherseal joint applications that require a sealant with high movement capability.



Sikasil® WS-295

Silicone building sealant. One-component, medium modulus silicone sealant with +/-50% movement capability. Excellent for the most common weatherseal and glazing applications.



Sikasil® WS-290 FPS and Sikasil® WS-295 FPS

Field tintable versions, 1.5 gallons in a 2 gallon pail available with color pak offering a wide range of color flexibility with the ease of use of a one component product.



Sika Silbridge 300

Extruded ultra low modulus elastomeric, silicone profile bonded in place with silicone sealants to bridge moving cracks and joints.

Technical Data

	Typical Technical Properties of Sika Sealants								
	Sikaflex-1a	Sikaflex-15LM	Sikaflex-11FC	Sikaflex-1CSL	Sikaflex-2c		Sikasil WS-290	Sikasil WS-295	Sika Silbridge 300
					NS EZ	SL			
Service Range	-40° to 170° F	-40° to 170° F	-40° to 170° F	-40° to 170° F	-40° to 170° F	-40° to 170° F	-80° to 350° F	-80° to 350° F	-60° to 300° F
Tack-Free Time	3-6 hrs	6-8 hrs	1-2 hrs	1-2 hrs	6-8 hrs	6-8 hrs	50 min	50 min	7-10 days
Final Cure	4-7 days	7-10 days	3-5 days	3-5 days	3 days	3 days	7-10 days	7-10 days	
Elongation	550%	700%	600%	450%	400%	650%	1200%	800%	950%
Tensile Strength	175 psi	125 psi	225 psi	150 psi	95 psi	175 psi	165 psi	200 psi	425 psi
Hardness, Shore A	40±5	25±5	45±5	40±5	25±5	40±5	9±5	20±5	30±5
Adhesion in Peel Bond Strength (Concrete)	20lb	30lb	25lb	30lb	15lb	30lb	30lb	30lb	30lb
Joint Movement Capability	+35% -35%	+100% -50%	+12.5% -12.5%	+25% -25%	+50% -50%	+50% -50%	+100% -50%	+50% -50%	+200% -50%
Colors	9 standard colors, Special colors available upon request	16 standard colors, Special colors available upon request	White	Limestone	35 standard, Pre-pigmented limestone. Special colors available upon request.		7 standard colors, Special colors available upon request	7 standard colors, Special colors available upon request	7 standard colors

Specification Conformance:
 ASTM C 920; Federal Specifications – TT-S-00230C; TT-S-001543A; TT-S-00227E
 Corps of Engineers – CRD C 541; CRD C 506; CRD C 542
Approvals: ANSI/NSF – Potable Water Use; USDA – Food Contact; UL – Fire Rating

Sika's extensive range of associated products available through your local authorized Sika Distributor include:

- ▲ Admixtures
- ▲ Hand- and Machine-Applied Mortars
- ▲ Cementitious and Chemical Grouts
- ▲ Bonding Agents and Anti-Corrosion Coatings
- ▲ Epoxy Adhesives and Grouts
- ▲ Adhesive Anchors
- ▲ Structural Strengthening
- ▲ Protective and Decorative Coatings
- ▲ Flooring and Deck Coating Systems



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ISO 9001
 Certificate # 14 00171
 RC 14001
 Certificate # RC 510999



Construction



High Performance Sealants
 Polyurethane and Silicone Sealants
 for Sealing and Bonding



Global Leadership

A recognized world leader in specialty

construction chemicals and products specifically engineered for the concrete industry, Sika has been answering the needs of producers and contractors since 1910. With an international network of marketing and production companies, Sika now operates in over 60 countries around the world. This strong global network allows Sika to maintain continuing levels of excellence, and to find and implement innovative solutions that meet the changing requirements of our customers. Our goal is to remain a leader through innovation, not only in product design, but also in product quality assurance, delivery systems and customer relations.

Sikaflex Polyurethane Sealants

Proven over the years, Sikaflex Polyurethane is the product of choice in a wide range of construction applications. Polyurethanes exhibit many characteristics that offer advantages in certain applications. These characteristics are:

Adhesion: Sikaflex sealants will bond to more surfaces, particularly porous substrates such as concrete and masonry, without the use of primer. It is an accepted fact that Sikaflex polyurethanes have superior wetting action in achieving a bond to various substrates under jobsite conditions.

Dirt Resistance: Because of their exclusive chemical design, Sikaflex sealants exhibit far less dust and dirt pick-up during cure and over the lifetime of the building.

Substrate Staining: Sikaflex sealants possess an extremely stable consistency and will not stain or discolor virtually any common substrate.

Paintability: Sikaflex sealants can be treated with most coatings and paints without the risk of delamination.

Water Immersion: Many Sikaflex sealants can be placed in totally immersed environments without being affected by the action of the water.

Sikasil Silicone Sealants

Sikasil silicone is the product of choice when specific characteristics are desired in a sealant. Typical conditions favoring selection of Sikasil silicone sealants occur in glass-to-glass and glass-to-metal interface in glazing systems. Important characteristics include:

Adhesion: Excellent adhesion to glass including conditions subjecting sealant to reflected UV radiation at the bond line.

Color Retention: White and other light colors will not yellow with age. Therefore white remains white.

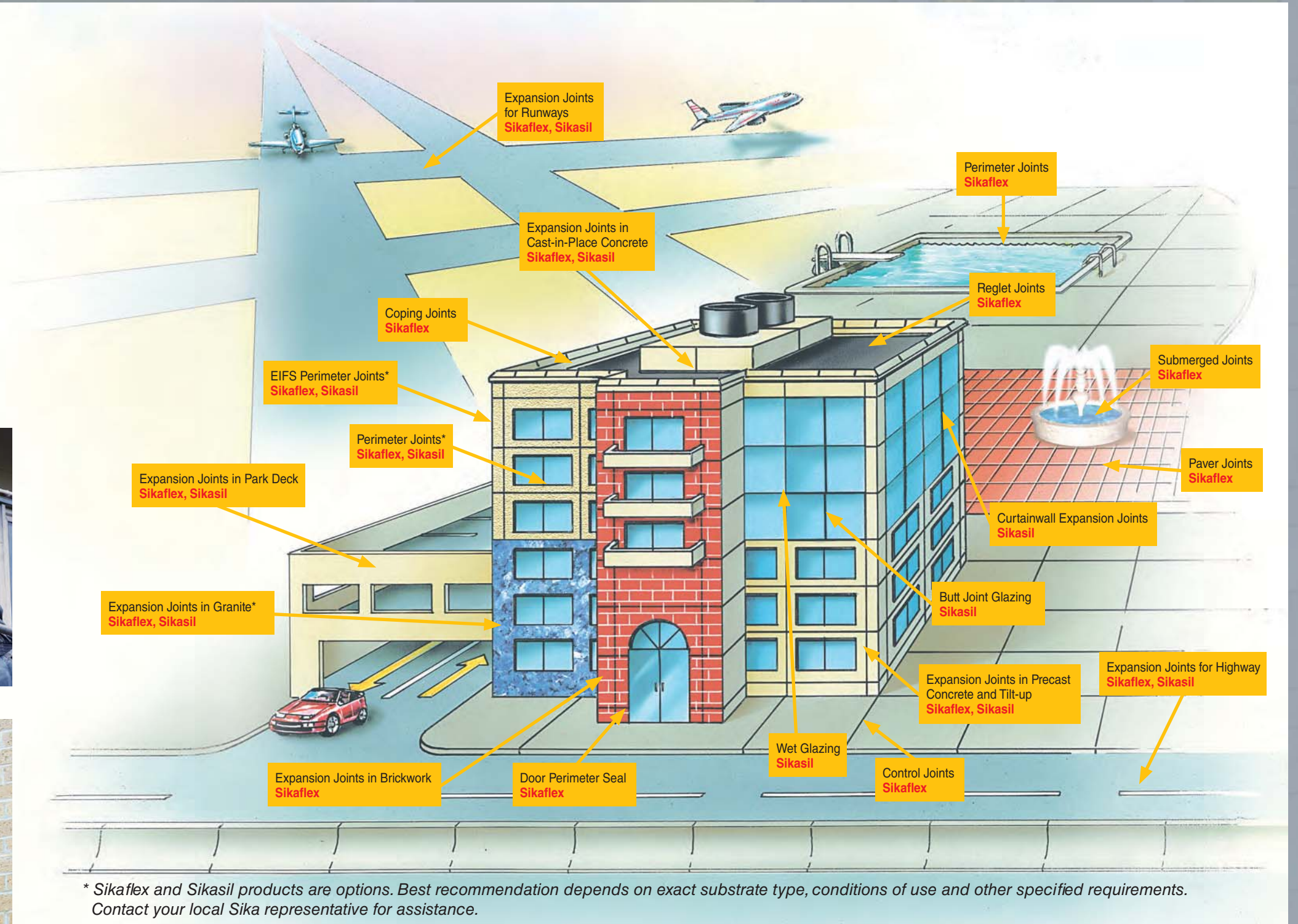
Heat Resistance: Applications subjecting sealant to unusually high temperatures can often be sealed with Sikasil silicone sealant.



Typical Construction Sealant Applications

Over the years, Sika's experience has grown to a leadership position, not in the Construction Sealant Market alone, but in Automotive, Industry and OEM Adhesive and Sealant markets around the world. Operating in this range of industries has created a base of knowledge that incorporates different perspectives and ideas from numerous fields of application. It is with this base knowledge and strength that Sika will remain at the forefront of technology and innovation so that our customers benefit today and into the future.

Sika creates a greater benefit for our customers by offering a combination of the technologies available to the market.



* Sikaflex and Sikasil products are options. Best recommendation depends on exact substrate type, conditions of use and other specified requirements. Contact your local Sika representative for assistance.

All sales of Sika products are subject to Sika's current Terms and Conditions of Sale available at www.sikacorp.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 Technical Data Sheet, product label and Material Safety Data Sheet, which are available at www.sikaconstruction.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 Technical Data Sheet, product label and Material 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 Technical 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. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.