

Product Data Sheet  
Edition 5.25.2017  
Sikaflex Concrete Fix

# Sikaflex<sup>®</sup> Concrete Fix

## One-component, polyurethane sealant

<b>Description</b>	Sikaflex Concrete Fix is a moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Meets Federal specification TT-S-00230C, Type II. Meets ASTM C-920, Type S, Grade NS.
<b>Where to Use</b>	<ul style="list-style-type: none"> <li>■ Designed for all types of joints and cracks where maximum depth of sealant will not exceed 1/2 in.</li> <li>■ Suitable for vertical and horizontal joints; readily placeable at 40°F (4°C).</li> <li>■ Has many applications as an elastic sealant between materials with dissimilar coefficients of expansion.</li> <li>■ Ideal for: <ul style="list-style-type: none"> <li>◆ Weatherproofing of joints, cracks and gaps in concrete, brickwork, blockwork, masonry, stucco and metal frames.</li> <li>◆ Joints in walls, floors, balconies, around window or door frames.</li> <li>◆ Expansion joints.</li> <li>◆ Roofing.</li> </ul> </li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ High elasticity – cures to a tough, durable, flexible consistency with exceptional cut and tear-resistance.</li> <li>■ Stress relaxation.</li> <li>■ Excellent adhesion – bonds to most construction materials without a primer.</li> <li>■ Excellent resistance to aging, weathering.</li> <li>■ Non-staining.</li> <li>■ Urethane-based; suggested by EPA for radon reduction.</li> <li>■ Paintable with water-, oil- and rubber-based paints.</li> <li>■ Capable of ±25% joint movement.</li> </ul>
<b>Coverage</b>	10.1 fl. oz. cartridge seals 12.2 lineal ft. of 1/2 x 1/4 in. joint.
<b>Packaging</b>	Disposable 10.1 fl. oz., moisture-proof composite cartridges, 12/case.

### Typical Data (Material and curing conditions @ 73°F (23°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

<b>Shelf Life</b>	12 months
<b>Storage Conditions</b>	Store at 40°-95°F (4°-35°C). <b>Condition material to 65°-75°F (18°-24°C) before using.</b>
<b>Colors</b>	Limestone
<b>Application Temperature</b>	40° to 100°F (4°-38°C) . Sealant should be installed when joint is at midrange of its anticipated movement.
<b>Service Range</b>	-40° to 170°F (-40°-77°C)
<b>Curing Rate</b>	Tack-free time: Meets ASTM C-920      Final cure: 7 days
<b>Shore A Hardness</b>	Meets ASTM C-920
<b>Adhesion in Peel (ASTM C 794)</b>	Concrete: Meets ASTM C-920 Aluminum: Meets ASTM C-920 Glass: Meets ASTM C-920
<b>Weathering Resistance</b>	Excellent
<b>Chemical Resistance</b>	Good resistance to water, diluted acids, and diluted alkalines. Consult Technical Service for specific data.



## How to Use

### Surface Preparation

Clean all surfaces. Joint walls must be sound, clean, dry, frost-free, and free of oil and grease and any other contaminants. Install bond breaker tape or backer rod to prevent bond at base of joint.

### Priming

Priming is not usually necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure.

Consult Sikaflex Primer Technical Data Sheet or Technical Service for additional information on priming.

### Application

Recommended application temperatures: 40°-100°F (4°-38°C). For cold weather application, condition units at approximately 70°F (21°C); remove prior to using. For best performance, Sikaflex Concrete Fix should be gunned into joint when joint slot is at mid-point of its designed expansion and contraction. Place nozzle of gun into bottom of the joint and fill entire joint. Keep the nozzle in the sealant, continue on with a steady flow of sealant preceding the nozzle to avoid air entrapment. Avoid overlapping of sealant to eliminate entrapment of air. Tool as required. Joint dimension should allow for ¼ inch minimum and ½ inch maximum thickness for sealant. Proper design is 2:1 width to depth ratio. For use in horizontal joints in traffic areas, the absolute minimum depth of the sealant is ½ in. and closed cell backer rod is recommended. Tool as necessary, dry or with clean water.

### Limitations

- Allow 1-week cure at standard conditions when using Sikaflex Construction Sealant in total water immersion situations and prior to painting.
- When over-coating with water, oil and rubber based paints, compatibility and adhesion testing is essential.
- Avoid exposure to high levels of chlorine. (Maximum continuous level is 5ppm of chlorine.)
- Maximum depth of sealant must not exceed ½ in.; minimum depth is ¼ in.
- Maximum expansion and contraction should not exceed 25% of average joint width.
- Do not cure in the presence of curing silicone sealants.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not apply when moisture-vapor-transmission condition exists from the substrate as this can cause bubbling within the sealant.
- Use opened cartridges the same day.
- When applying sealant, avoid air-entrapment.
- Since system is moisture-cured, permit sufficient exposure to air.



# Residential



## Sikaflex® Concrete Fix



### Caution

**Contains:** titanium dioxide (CAS: 13463-67-7), xylene (CAS: 1330-20-7), Quartz (SiO<sub>2</sub>) (CAS: 14808-60-7), ethylbenzene (CAS: 100-41-4), aromatic polyisocyanate (CAS: 53317-61-6), Carbon black (CAS: 1333-86-4). Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

**WARNING:** This product contains a chemical known in the State of California to cause cancer.

**WARNING:** This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

**HMIS:** \*3, 0, 0, X.

**VOC:** 40 g/l.

### KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION

All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at [www.sikausa.com](http://www.sikausa.com) or by calling 800-933-7452.

**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 online at [usa.sika.com/retail](http://usa.sika.com/retail) or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.**

**LIMITED 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.

**NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKASHALLNOTBELIABLEUNDERANYLEGALTHEORYFORSPECIALORCONSEQUENTIALDAMAGES. SIKASHALLNOTBERESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Visit our website at [usa.sika.com](http://usa.sika.com)

1-800-933-SIKA NATIONWIDE

**Regional Information and Sales Centers.** For the location of your nearest Sika sales office, contact your regional center.

**Sika Corporation**  
201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: 800-933-7452  
Fax: 201-933-6225

**Sika Canada Inc.**  
601 Delmar Avenue  
Pointe Claire  
Quebec H9R 4A9  
Phone: 514-697-2610  
Fax: 514-694-2792

**Sika Mexicana S.A. de C.V.**  
Carretera Libre Celaya Km. 8.5  
Fracc. Industrial Balvanera  
Corregidora, Queretaro  
C.P. 76920  
Phone: 52 442 2385800  
Fax: 52 442 2250537



Sika and Sikaflex are registered trademarks.  
Made in the USA.