

# 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".</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" 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>	<b>Tack-free time:</b> 3-6 hours <b>Final cure:</b> 5-7 days
<b>Shore A Hardness</b>	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 1/4" minimum and 1/2" 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 1/4" 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 Concrete Fix 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 1/2"; minimum depth is 1/4".
- Maximum width of sealant must not exceed 1".
- 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.
- The ultimate performance of Sikaflex Concrete Fix depends on good joint design and proper application with joint surfaces properly prepared.
- Do not tool with detergent or soap solutions.



# Residential

## Clean Up

Uncured material can be removed with approved solvent. Cured material can only be removed mechanically. For spillage, collect, absorb, and dispose of in accordance with current, applicable local, state, and federal regulations.



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