

Sikaflex® Sealant/Adhesive Primers

Sikaflex Primers 260, 429, and 449

Construction

| | | | | | | | |
|----------------------------|---|------------|---------|------------|-----|------------|---------|
| Description | Sikaflex primers are special materials formulated to improve the bond of Sikaflex urethane sealants when applied to specific substrates. | | | | | | |
| Sikaflex Primer 260 | Sikaflex Primer 260 promotes adhesion of urethane sealants to various metallic, non-metallic, and plastic substrates. | | | | | | |
| Sikaflex Primer 429 | Sikaflex Primer 429 promotes adhesion to clean, sound, and dry concrete, masonry, Exterior Insulation Finish Systems (EIFS), and wood — including teak and mahogany. | | | | | | |
| Sikaflex Primer 449 | Sikaflex Primer 449 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. | | | | | | |
| Advantages | <ul style="list-style-type: none"> ■ Single-component, ready to use. ■ Easily applied by brush, dauber, or spray. | | | | | | |
| Coverage | <p>Following are average coverages, depending on porosity of substrate:</p> <p>Sikaflex Primer Coverage per pint (Liner ft. 1/2" x 1/2" joint)</p> <table border="1"> <tr> <td>260</td> <td>300-500</td> </tr> <tr> <td>429</td> <td>300</td> </tr> <tr> <td>449</td> <td>300-500</td> </tr> </table> | 260 | 300-500 | 429 | 300 | 449 | 300-500 |
| 260 | 300-500 | | | | | | |
| 429 | 300 | | | | | | |
| 449 | 300-500 | | | | | | |
| Packaging | <p>Sikaflex 260 and 449 primers are available in pints, 6/carton.</p> <p>Sikaflex 429 primer is available in pints, 6/carton; and gallons, 2/carton.</p> | | | | | | |

| Substrate | Primer Required | Recommended primer if necessary |
|-----------------------------|------------------|---------------------------------|
| Concrete and Masonry | | |
| Concrete Block | No | Sikaflex 429 primer |
| Placed Concrete | No | Sikaflex 429 primer |
| Precast Concrete | No | Sikaflex 429 primer |
| Mortar | No | Sikaflex 429 primer |
| Grout | No | Sikaflex 429 primer |
| Brick | No | Sikaflex 429 primer |
| SikaTops | No | Sikaflex 429 primer |
| Stone | | |
| Granite | No | Sikaflex 429 primer |
| Marble | No | Sikaflex 260 primer |
| Paints | | |
| Acrylic Latex | No Bond Achieved | |
| Emercoat 33 | No Bond Achieved | |
| DeSoto Fluoropon | No Bond Achieved | |
| PPG Duracon S600 | No Bond Achieved | |
| Solvent-based Enamel | Yes | Sikaflex 449 primer |
| PPG Fluorocarbon | Yes | Sikaflex 449 primer |
| Duranar | Yes | Sikaflex 449 primer |
| PPG Polycron | Yes | Sikaflex 449 primer |
| Kynar | Yes | Sikaflex 449 primer |
| Siliconized Polyester | Yes | Sikaflex 260 primer |
| Alucobond | Yes | Sikaflex 260 primer |
| Plastics | | |
| PVC | Yes | Sikaflex 449 primer |
| ABS | Yes | Sikaflex 449 primer |
| Plexiglass | Yes | Sikaflex 449 primer |
| Plexiglass DR | Yes | Sikaflex 449 primer |
| Lucite | Yes | Sikaflex 449 primer |
| Rovel Plastic | Yes | Sikaflex 449 primer |

| Substrate | Primer Required | Recommended primer if necessary |
|-------------------------------|------------------|---------------------------------|
| Plastics cont'd | | |
| Lexan | Yes | Sikaflex 260 primer |
| Teflon | No Bond Achieved | |
| Polyethylene | No Bond Achieved | |
| Polypropylene | No Bond Achieved | |
| Tuffak | Yes | Sikaflex 449 primer |
| Polyester/Fiberglass | No | Sikaflex 449 primer |
| Glass | | |
| Glass - Sheet, float or plate | No | Sikaflex 260 primer |
| Porcelain | No | Sikaflex 260 primer |
| Ceramic tile | No | Sikaflex 260 primer |
| Metals | | |
| Aluminum - Anodized | No | Sikaflex 260 primer |
| Aluminum - Mill Finish | Yes | Sikaflex 260 primer |
| Lead | No | Sikaflex 260 primer |
| Copper (bright/clean) | No | Sikaflex 260 primer |
| Brass | No | Sikaflex 260 primer |
| Zinc | No | Sikaflex 260 primer |
| Tinplate | No | Sikaflex 260 primer |
| Steel (Bright/Clean) | No | Sikaflex 260 primer |
| Steel - Stainless | Yes | Sikaflex 260 primer |
| Steel - Galvanized | Yes | Sikaflex 260 primer |
| Rubber | | |
| Urethane | No | Sikaflex 449 primer |
| Woods | | |
| Unfinished Woods | No | Sikaflex 429 primer |
| EIFS** | | |
| Dryvit | Yes | Sikaflex 429 primer |
| Sto | Yes | Sikaflex 429 primer |
| Synergy | Yes | Sikaflex 429 primer |

** Product will bond without primer however primer is recommended by EIFS manufacturers to properly seal substrate. Follow EIFS manufacturer's primer recommendations.

Typical Data (Material and curing conditions 73°F 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.

Color Clear
Shelf life 6 months in original, unopened containers.



How to Use Surface Preparation

The key to good bonding with Sikaflex sealants/primers is surface preparation. Specifically, all surfaces must be dry and free of dirt, grease, mold release agents, loose mortar, laitance, and any foreign matter. If the joint contains old sealant, it and all extraneous material must be removed and the substrate cleaned by mechanical means. Apply primers at substrate temperatures of 40°F and rising. Surface must be frost free.

Application

Shake or stir primer well before using. Apply to dry, clean, oil free surface with a brush, dauber or spray.

| Sikaflex Primer | Dry time before installing sealant | |
|-----------------|------------------------------------|----------|
| 260 | >1 hr. | <8 hrs.* |
| 429 | >1 hr. | <8 hrs.* |
| 449 | >30 min. | <8 hrs.* |

* If sealant cannot be installed within 8 hours of priming, reprime.

Limitations

- Primer should not be used if it starts to gel in container.
- Protect Sikaflex primers from moisture. Once container has been opened, use contents immediately.
- Do not attempt to use partial containers.
- Do not reseal or reuse. Resealing may cause moisture contamination and gelling.

Caution

Sikaflex Primer 260

Flammable; Irritant; Poison - Contains methanol. May cause skin/eye/respiratory irritation. Avoid contact. Methanol is a poison and may cause blindness if ingested. Use only with adequate ventilation. Use of safety goggles and chemical resistant gloves is recommended. In case of exceedance of PELs, use an appropriate, properly fitted NIOSH approved respirator. Remove contaminated clothing. Keep away from heat, sparks, and open flames.

Sikaflex Primer 429

Flammable; Irritant; Sensitizer - Contains aromatic polyisocyanate, xylene, PGMEA, TDI. May cause skin/eye/respiratory irritation. May cause skin and/or respiratory sensitization after prolonged or repeated contact. Avoid contact. May cause headaches, dizziness or other CNS effects. TDI is a suspect carcinogen (IARC, NTP). Use only with adequate ventilation. Use of safety goggles and chemical resistant gloves is recommended. In case of exceedance of PELs, use an appropriate, properly fitted NIOSH approved respirator. Remove contaminated clothing. Keep away from heat, sparks, and open flames.

Sikaflex Primer 449

Flammable; Irritant; Sensitizer - Contains xylene, butyl acetate, methylethyl ketone, toluene. May cause skin/eye/respiratory irritation. May cause skin and/or respiratory sensitization after prolonged or repeated contact. Avoid contact. May cause headaches, dizziness or other CNS effects. Use only with adequate ventilation. Use of safety goggles and chemical resistant gloves is recommended. In case of exceedance of PELs, use an appropriate, properly fitted NIOSH approved respirator. Remove contaminated clothing. Keep away from heat, sparks, and open flames.

First Aid

In case of skin contact, wash immediately and thoroughly with soap and water. If symptoms persist, consult physician. For eye contact, flush immediately with plenty of water for at least 15 minutes; contact a physician. For respiratory problems, remove person to fresh air; if symptoms persist, consult physician. In case of ingestion, consult a physician immediately - methanol is a poison. Remove contaminated clothing.

Clean Up

In case of spill or leaks, wear suitable protective equipment, contain spill, collect with absorbent material, and transfer to suitable container. Ventilate area. Avoid contact. Dispose of in accordance with current, applicable, local, state and federal regulations.

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