

# Sikaflex®-295 UV

## UV Resistant Adhesive/Sealant

### Properties:

Density	10 lb/gal.
Tack free time*	50 minutes approximately
Rate of cure	1/8" /24 hours
Shore A hardness (ASTM D2240)	35 to 40 at 77°F
Elongation at break (ASTM D412)	>500%
Tensile strength (ASTM D412)	450 psi approximately
Lap shear strength (ASTM D1002)	250 psi approximately
E-modulus at 100% elongation	70 psi
Application temperature**	40°F to 95°F
Service range	-40°F to 195°F
Color	Black, white

\* = temperature 73°F/50% R.H.

\*\* = refers to ambient temperature of substrates. For optimum application, Sikaflex®-295 UV should be conditioned to 70°-80°F before use.

### Description:

Sikaflex®-295 UV is a one-component polyurethane adhesive with very high thixotropy that cures on exposure to ambient humidity to form a high-quality elastomer of about 35 on the Shore A scale at 70°F. Sikaflex®-295 UV has been formulated especially for marine applications where resistance to direct sunlight is required. Sikaflex®-295 UV has also been specifically designed for bonding polycarbonate or acrylic windows or hatches.

### Advantages Offered by

#### Sikaflex®-295 UV:

- UV resistant, no cracking or chalking
- Salt water resistant
- Fast tack-free time
- Paintable and sandable
- Stable
- Bonds and seals in one step
- Initial load bearing capacity
- High thixotropy/good gap filling properties
- Non yellowing

### Application:

- Sikaflex®-295 UV black is intended to be used as an adhesive and/or sealant in bonding applications for:

- polycarbonate
- acrylic (PMAA)

Use in conjunction with Sika®-Primer 209. Always seek the manufacturer's advice prior to bonding these plastics that are prone to stress cracking.

- Sikaflex®-295 UV white is intended to be used as a sealant in open joints exposed to sunlight for sealing:

- glass
- ceramics
- metals

- many plastics
- fiberglass
- many types of paint

Use in conjunction with Sika®-Cleaner 226 or Sika®-Aktivator. Refer to the Surface Preparation Guidelines for further information.

Surface reparation for acrylic (PMAA) or Polycarbonate:

- Scuff the bond area with sand paper or a Scotchbrite pad.
- Degrease the bond area with Sika®-Cleaner 226 (drying time 10 minutes)
- Apply Sika®-Primer 209 in one continuous, homogeneous coat with a brush or dauber (drying time 20 minutes at 75°F).

If there is an abrasion/scratch resistant coating, it must be completely removed with sandpaper (80x - 120x) prior to surface preparation (i.e. Margard coating on Lexan). Organic windows with special tinting or coating should be pretested for adhesion. Refer to the Surface Preparation Guidelines or Sika's Technical Service Department for further information.

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### Adhesive Application:

Sikaflex-295 UV should be applied in a triangular bead through an appropriately cut nozzle. The nozzle cut dimensions and the number of beads applied are dependent upon the required width and thickness of the adhesive bead in the final assembly.

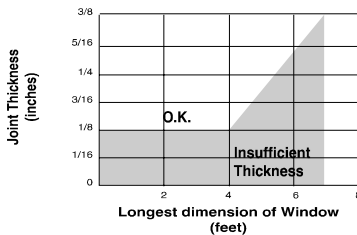
**Width:** The adhesive width is dependant upon the constraints of the assembly (available glazing area and degree of compression). The joint width must be a minimum of 3/8"

Substrate and Working Conditions:

- During these operations, the bonding surfaces must be free of dirt, debris and standing moisture.
- Keep the work area shielded from direct sunlight and temperature extremes; apply system at a maximum ambient temperature of 95°F.
- Joint thickness can be maintained using self-adhesive rubber spacers of Shore A 30 hardness.
- Once the window is installed, it must be braced for at least 12 hours.
- During assembly/bracing, take care not to twist or bend the window excessively.

Thickness: For bonding on metal or composite framing, the adhesive thickness is dependant upon the longest dimension of the window.

### Limitations:



- Do not apply on frozen surface or through standing water or under water.
- Do not apply over silicones or in the presence of curing silicones.
- Avoid contact with alcohol and alcohol-containing solvents during cure.
- Allow minimum of 1 week full cure prior to total water immersion situations.
- Maximum chlorine exposure 2.5 ppm.
- Do not use as a deck seam sealant.
- Do not use for bonding glass.

### Important Considerations:

When applying sealant, avoid air entrapment. Protect from action of water during curing period.

### Storage:

Sikaflex®-295 UV should not be stored at temperatures in excess of 77°F. Properly stored in cool, dry conditions, the unopened cartridges have a shelf life of 9 months.

### Packaging:

- \* 10.3-fl-oz cartridges packaged 12 per carton

### CAUTION:

Irritant; Sensitizer:

Contains polyisocyanate prepolymer, xylene. May cause skin/eye/respiratory irritation. May cause skin and/or respiratory sensitization after prolonged or repeated contact. Avoid contact. Xylene may cause headaches, dizziness or other CNS effects; and may cause liver or kidney 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/MSHA approved respirator. Remove contaminated clothing.

### Clean Up:

Uncured sealant may be removed with solvent. Cured sealant is only removed mechanically. In case of spills 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.

### 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, contact a physician. In case of ingestion, dilute with water and consult physician. Remove contaminated clothing.

**IN CASE OF EMERGENCY CALL CHEMTREC, 1-800-424-9300  
INTERNATIONAL CHEMTREC, 1-703-527-3887**

Consult Material Safety Data Sheets, Technical Data Sheets and Surface Preparation Guidelines available through SikaFax: 877-663-9727 or Visit our website at <http://www.sikaindustry.com>

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**KEEP OUT OF REACH OF CHILDREN  
KEEP CONTAINER TIGHTLY CLOSED**

**NOT FOR INTERNAL CONSUMPTION  
FOR INDUSTRIAL USE ONLY**

**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 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 IMPLIED OR EXPRESS 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 OR ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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