

**Product Data Sheet**

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## Sikaflex® - 1a

<b>Overview:</b>	Sikaflex-1a is a premium-grade, high-performance, moisture-cured, one-component polyurethane-based, non-sag elastomeric sealant used in certain Sika Sarnafil roofing or waterproofing system flashing details. Typical applications include wall, curb drain terminations, pipe penetrations and under certain metals. It can also be used as a pitch pocket sealant.
<b>Composition:</b>	See Material Safety Data Sheet for Composition. Sikaflex-1a cures to a light gray or white color with a smooth texture. VOC Content: 40 g/L
<b>Features:</b>	<p>Sikaflex-1a bonds well to Sika Sarnafil PVC membranes and to common building materials. It is easy to apply and has excellent workability characteristics.</p> <p>Sikaflex-1a is USDA-approved, NSF-approved for potable water contact, jet fuel resistant and has high elasticity curing to a tough, durable, flexible consistency with exceptional cut and tear resistance. It meets Federal Specification TT-S-0023C, Type II, Class A. It is paintable with water-, oil- and rubber-based paints.</p> <p>Sikaflex-1a is VOC compliant in California and has excellent weatherability and resistance to degradation by ultraviolet light.</p>
<b>Packaging:</b>	<p>Sikaflex-1a (in light gray) is packaged in 10.3 fluid oz (305 ml) disposable cartridges (24 per case). A cartridge covers approximately 12.4 linear ft (3.8 m) based on a 1/2 in (12.7 mm) bead. The actual coverage rate will vary depending on the size of the bead. A case weighs 25 lbs (11.3 kg). The shelf life is 12 months in an unopened cartridge.</p> <p>Sikaflex-1a (in white) is packaged in 20 fluid oz (604 ml) uni-pac sausage seals (20 per case). A sausage covers approximately 24 linear ft (7.3 m) based on a 1/2 in (12.7 mm) bead. The actual coverage rate will vary depending on the size of the bead. A case weighs 45 lbs (20.4 kg). The shelf life is 12 months in an unopened cartridge.</p>
<b>Installation:</b>	<p>The recommended application temperature for Sikaflex-1a is between 40°F (4°C) and 100°F (38°C). For cold weather applications, condition cartridges at approximately 70°F (21°C) and maintain that temperature until just prior to use.</p> <p>Do not apply over damp surfaces as this will affect adhesion and may lead to bubbling within the sealant. Clean all surfaces. Substrate must be sound, clean, dry, frost-free, and free of oil and grease.</p> <p>Use with adequate ventilation. Sikaflex-1a is easy to apply with conventional caulking equipment. Avoid air entrapment when applying sealant. Do not tool with detergent or soap solutions.</p> <p>Material becomes tack free in about 3-4 hours*. Final cure is achieved in 4-7 days depending on temperature and humidity*. Avoid contact with alcohol and other solvent cleaners during cure.</p> <p>Use open cartridges the same day. Store the material in a dry area between 40°F (4°C) and 95°F (35°C).</p>

\*Longer cure times when used as a pitch pocket sealant.

**Sarnafil®**

<b>Availability:</b>	Sikaflex-1a is available directly from Sika Sarnafil Authorized Applicators when used within a Sika Sarnafil Roofing or Waterproofing System. Contact Sika Sarnafil or visit our website <a href="http://usa.sarnafil.sika.com">usa.sarnafil.sika.com</a> for further information.
<b>Warranty:</b>	Sika Sarnafil will replace defective Sikaflex-1a material provided the defect is identified by the Sika Sarnafil Authorized Applicator and acknowledged by Sika Sarnafil during the time of original installation and application. Maintenance of this sealant or of any other sealant after original installation and application is not covered by Sika Sarnafil's Warranty.
<b>Maintenance:</b>	Sikaflex-1a must be maintained. Sika Sarnafil recommends that the Owner or Owner's designated representative inspect the sealant at least twice a year and after each storm.
<b>Technical:</b>	Sika Sarnafil provides technical support. Technical staff is available to advise applicators as to the proper installation method.

<b>Technical Data:</b>	<b>Material and curing conditions @ 73°F (23°C) and 50% R.H.</b>	
	<b>Shelf Life</b>	12 months
	<b>Service Range</b>	-40°F (-40°C) to 170°F (77°C)
	<b>Curing Rate</b>	Tack-free Time 4 hours
		Tack-free to Touch 3 hours
		Final Cure 4 to 7 days
	<b>Tear Strength</b>	ASTM D-624 55 lb/in (9.6 N/mm)
	<b>Shore A Hardness</b>	ASTM D-2240 40±5 @ 21 days
	<b>Tensile Properties</b>	ASTM D-412 Tensile Stress @ 21 days 175 psi (1.21 MPa)
	<b>Elongation at Break</b>	550%
	<b>Chemical Resistance</b>	Good resistance to water and diluted acids and alkalines

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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 [usa.sarnafil.sika.com](http://usa.sarnafil.sika.com) or by contacting 800-451-2504. 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 Technical Data Sheet, product label and Material Safety Data Sheet prior to product use.