



4225 W. Ogden Ave. • Chicago, IL 60623 • Phone: (773) 522-1900

# SIKAFLEX 1A

**One part polyurethane, elastomeric sealant/adhesive**

### DESCRIPTION

Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Meets Federal specification TT-S-00230C, Type II, Class A. Meets ASTM C-920, Type S, Grade NS, Class 25, use T, NT, O, M, G, I; Canadian standard CAN/CGSB 19.13-M87.

### WHERE TO USE

- Designed for all types of joints where maximum depth of sealant will not exceed 1/2".
- Excellent for small joints and fillets, windows, door frames, reglets, flashing, and many construction adhesive applications
- Suitable for vertical and horizontal joints; readily placeable at 40°F.
- Has many applications as an elastic adhesive between materials with dissimilar coefficients of expansion.
- Submerged conditions, such as canal and reservoir joints.

### ADVANTAGES

- Eliminates time, effort, and equipment for mixing, filling cartridges, pre-heating or thawing, and cleaning of equipment.
- Fast tack-free and final cure times.
- High elasticity - cures to a tough, durable, flexible consistency with exceptional cut and tear-resistance.
- Excellent adhesion - bonds to most construction materials without a primer.
- Excellent resistance to aging, weathering.
- USDA approved.
- Odorless, non-staining
- Jet fuel resistant
- NSF-approved for potable water contact.
- Urethane based; suggested by EPA for radon reduction
- Paintable with water, oil, and rubber based paints.
- Capable of ±25% joint movement.

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

**Colors:** White, colonial white, aluminum gray, limestone, black, dark bronze, capitol tan. Special architectural colors available on request.

**Application Temperature:** 40°-100°F. Sealant should be installed when joint is at mid-range of its anticipated movement.

**Service Range:** -40°-170°F

**Curing Rate:** Tack-Free time 4 hrs. (TT-S-00230C)

Tack-free to touch 3 hrs.  
Final cure 4 to 7 days

**Tear Strength (ASTM D-624)** 50 lb./in.

**Shore A Hardness (ASTM D-2240)** 21 day 40±5

**Tensile Properties (ASTM D-412)**

21 day	Tensile Stress	200 psi (1.37MPa)
	Elongation at Break	500%
	Modulus of Elasticity	25% 35 psi (0.24MPa)
		50% 60 psi (0.41MPa)
		100% 85 psi (0.59MPa)

**Adhesion in Peel (TT-S-00230C, ASTM C794)**

Substrate	Peel Strength	Adhesion Loss
Concrete	20 lbs.	0%
Aluminum	20 lbs.	0%
Glass	20 lbs.	0%

**Weathering Resistance:** Excellent

**Chemical Resistance:** Good resistance to water, diluted acids, and diluted alkalines. Consult Technical Service for specific data.

# SIKAFLEX 2C NS

**Two-component, non-sag, polyurethane elastomeric sealant**

### DESCRIPTION

Sikaflex-2c NS is a 2-component, premium grade, polyurethane based, elastomeric sealant. It is principally a chemical cure in a non-sag consistency. Meets ASTM C-920, Type M, Grade NS, Class 25, use T, NT, M, G, A, O, I and Federal Specification TT-S-00227E, Type II, Class A. Tested in accordance with ASTM C-1382 for use in EIFS Systems.

### WHERE TO USE

- Intended for use in all properly designed working joints with a minimum depth of 1/4"
- Ideal for vertical and horizontal applications.
- Placeable at temperatures as low as 40°F.
- Adheres to most substrates commonly found in construction
- An effective sealant for use in Exterior Insulation Finish Systems (EIFS)
- Submerged environments, such as canal and reservoir joints.

### ADVANTAGES

- Capable of ±50% joint movement
- Chemical cure allows the sealant to be placed in joints exceeding 1/2" in depth
- High elasticity with a tough, durable, flexible consistency
- Exceptional cut and tear resistance
- Exceptional adhesion to most substrates without priming
- Available in 40 architectural colors
- Color uniformity assured via Color-pak systems
- Available in pre-pigmented Limestone Gray (no Color-pak needed)
- Non-sag even in wide joints
- Easy to mix
- Paintable with water, oil, and rubber base paints
- ANSI/NSF 61 approval for contact with potable water
- Jet fuel resistant

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

**Application Temperature:** 40°-100°F, ambient and substrate temperatures. Sealant should be installed when joint is at mid-range of its anticipated movement.

**Curing Rate (ASTM C679)**

Tack-Free Time 6-8 hrs.  
Final Cure 3 days

**Application Life:** 3-4 hrs.

**Tear Strength:** ASTM D-624 45 lb./in

**Shore A Hardness** ASTM D-2240 25±5

**Tensile Properties (ASTM D412)**

**Tensile Strength at Break** 120 psi  
**Tensile Elongation** 500%  
**100% Modulus** 70 psi

**Adhesion in Peel (Fed Spec. TT-S-00227E)**

Substrate	Peel Strength	% Adhesion Loss
Concrete	25lb.	Zero

**Weathering Resistance:** Excellent

**Chemical Resistance:** Good resistance to water, diluted acids, diluted alkalines, and residential sewage. Consult Tech. Service for specific data.

### PACKAGING & COVERAGE

SIKAFLEX 1A: Available in 10.3 cartridges (24 per case)  
20 oz. sausages (20 per case)

SIKAFLEX 2C: 1.5 or 3 gal. unit. Color-pak sold separately. Limestone gray available pre-pigmented. 1 gal. yields 231 in<sup>3</sup> or 154 lf @ 1/2"x1/4"

WATERPROOFING