

PRODUCT DATA SHEET

Sikaflex®-2c NS TG+

TRAFFIC-GRADE ADDITIVE FOR SIKAFLEX®- 2c NS EZ MIX+

PRODUCT DESCRIPTION

Sikaflex®-2c NS TG+ is a premium-grade, polyurethane-based, additive for use in Sikaflex®-2c NS EZ Mix + sealant. It is principally an additive that helps cure the sealant with a higher Shore A hardness for use in Traffic Grade applications in a non-sag consistency.

When mixed with Sikaflex®-2c EZ MIX +, it is available in 35 standard colors (> 320 special colors) with a convenient Colorpak. Also available as a pre-pigmented product in Limestone Gray. Meets ASTM C 920, Type M, Grade NS, use T, NT, O, M, G, A, and Federal Specification TT-S-00227E.

USES

- Applications to include: parking garages, walkways, plazas, platforms, etc., with exposure to foot or pneumatic-tire traffic
- Intended for horizontal joints with a minimum depth of 1/2 in. (12.7 mm)
- Placeable at temperatures as low as 40 °F (4 °C)
Adheres to most substrates commonly found in construction

CHARACTERISTICS / ADVANTAGES

When used with Sikaflex®-2c NS EZ Mix +

- Capable of $\pm 35\%$ joint movement.
- Chemical cure allows the sealant to be placed in joints exceeding 1/2 inch (25.4 mm) in depth.
- Tough, durable, flexible consistency.
- Exceptional cut and tear resistance Exceptional adhesion to most substrates without priming.
- Color uniformity assured via Color-pak system or pre-pigmented Limestone.
- No Color-pak needed in pre-pigmented Limestone.
- Jet fuel resistant.

PRODUCT INFORMATION

Packaging	1 pint cans (6 cans per carton)
Color	Clear additive, when Sikaflex®-2c NS TG+ mix with Sikaflex®-2c NS EZ Mix + a wide range of architectural colors are available. Special colors available on request
Shelf Life	12 months in original, unopened containers
Storage Conditions	Store dry at 40–95 °F (4–35 °C). Condition material to 65–75 °F (18–24 °C) before using

TECHNICAL INFORMATION

Testing	40 ± 5	(after 21 days at 73 °F (23 °C) and 50 % R.H.) (ASTM C-661)		
Tensile Strength	170 psi	(after 7 days at 73 °F (23 °C) and 50 % R.H.) (ASTM D-412)		
Tear Strength	< 35 lbf/in	(after 7 days at 73 °F (23 °C) and 50 % R.H.) (ASTM D-624)		
Movement Capability	± 35 %			
Resistance to Weathering	Excellent			
Elongation at break	580 %	(after 7 days at 73 °F (23 °C) and 50 % R.H.) (ASTM D-412)		
Coverage	Yield in Linear Feet: 1 gallon of Sikaflex®-2c NS EZ Mix + & Sikaflex®-2c NS TG+			
	Width/Depth	1/4"	3/8"	1/2"
	1/4"	307.9		
	3/8"	205.3	136.8	
	1/2"	153.9	102.6	77.0
	3/4"	102.6	68.4	51.3
	1"			38.5
	1.25"			30.8
	1.5"			25.7
Ambient Air Temperature	40 °F to 100 °F Sealant should be installed when joint is at mid-range of its anticipated movement.			
Substrate Temperature	40 °F to 100 °F Sealant should be installed when joint is at mid-range of its anticipated movement.			
Application Time	Sikaflex®-2c NS TG+ with Sikaflex®-2c EZ Mix + 3 hours at 73 °F			

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

USES

- Review the Sikaflex®-2c NS EZ Mix + Product Data Sheet before proceeding with Sikaflex®-2c NS TG+ as an additive.
- The ultimate performance of Sikaflex®-2c NS TG+ depends on good joint design and proper application.
- Technical Information listed in this product data sheet is based off of Sikaflex®-2c NS TG+ used with Sikaflex®-2c NS EZ Mix +.
- Sealant depth for horizontal joint subject to traffic must be 1/2 in. (12.7 mm)
- Maximum expansion and contraction should not exceed 50 % of average joint width.
- Protect Sikaflex®-2c NS TG+ Component from moisture. Use entire contents of container.
- Maximum addition rate of Sikaflex®-2c NS TG+

Component is one 7. fl oz or (0.234 L) container/per 1.5 gal unit of Sikaflex®-2c NS EZ Mix +.

- Do not cure in the presence of curing silicones. Avoid contact with alcohol and other solvent cleaners during cure.
- Allow 3 day cure before subjecting sealant to total water immersion. Primer is required if sealant will be subjected to total water immersion.
- Do not apply when moisture vapor transmission exists since this can cause bubbling within the sealant.
- Avoid over-mixing sealant. White color tends to yellow over time when exposed to ultraviolet rays.
- When over-coating, an on-site test is recommended to determine actual compatibility and adhesion.
- Rigid coatings, paints or primers can crack when applied over elastomeric sealants that experience movement. Avoid exposure to high levels of chlorine. (Maximum continuous level is 5 ppm).
- Do not tool with detergent or soap solutions. Do not use in contact with bituminous/asphaltic materials

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All joint-wall surfaces must be clean, sound, and frost free. Joint walls must be free of oils, grease, curing compound residues, and any other foreign matter that might prevent bond. Ideally, this should be accomplished by mechanical means. A roughened surface will also enhance bond. Bond breaker tape or backer rod must be used in bottom of joint to prevent bond.

Priming

Priming is typically not necessary. Most substrates only require priming if sealant will be subjected to water immersion after cure. Testing should be done, however, on questionable substrates, to determine if priming is needed. Consult Technical Service or Sikaflex® Primer Technical Data Sheet for additional information on priming.

MIXING

Sikaflex®-2c NS TG+ must be used with Sikaflex®-2c NS EZ Mix +.

- Pour entire contents of Sikaflex®-2c NS TG+ and Component 'B' into pail of Component 'A' of the Sikaflex®-2c NS EZ Mix +. For tint base: add entire contents of Color-pak into pail and mix with a low-speed drill (400–600 rpm) and Sikaflex® paddle.
- Mix for 3-5 minutes to achieve a uniform color and consistency. Scrape down sides of pail periodically. Avoid entrapment of air during mixing.
- For pigmented limestone base: just mix with low speed drill and Sikaflex® paddle without Color-pak.

See Sikaflex®-2c NS EZ Mix + Product Data Sheet for detailed mixing instructions.

APPLICATION METHOD / TOOLS

Recommended application temperatures 40–100 °F (4–38°C). Pre-conditioning units to 65–75 °F (18–24 °C) is necessary when working at extremes. Move preconditioned units to work areas just prior to application. Apply sealant only to clean, sound, dry, and frost-free substrates. Sikaflex®-2c NS TG+ should be applied into joints when joint slot is at mid-point of its designed expansion and contraction. To place Sikaflex®-2c NS TG+, load directly into bulk gun or use a follower plate loading system. Place nozzle of gun into bottom of joint and fill entire joint. Keeping the nozzle deep in the sealant, continue 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. Proper design is 2:1 width to depth ratio.

See Sikaflex®-2c NS EZ Mix + Product Data Sheet for detailed application instructions.

Tooling and Finishing

Tool as required. Proper design is 2:1 width to depth ratio.

Removal

Uncured material can be removed with xylene. Strictly follow solvent manufacturer's warnings and instructions for use. Cured material can only be removed mechanically. In case of spillage, wear suitable protective equipment, collect with absorbent materials and dispose of in accordance with current, applicable local, state, and federal regulations.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

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Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com



Product Data Sheet

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