

PRODUCT DATA SHEET

Sikaflex[®]-2c NS TG

Two-component, traffic-grade, polyurethane elastomeric sealant

PRODUCT DESCRIPTION

Sikaflex[®]-2c NS TG is a premium-grade, polyurethane-based elastomeric sealant. It is principally a chemical cure in a non-sag consistency. 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. Product developed by addition of Sikaflex[®]-2c NS TG Component to the standard Sikaflex 2c NS EZ Mix joint sealant.

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
- Acceptable for sealing joints in institutions, correctional facilities, etc., as a tamper resistant sealant

CHARACTERISTICS / ADVANTAGES

- Capable of ± 25 % 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 Gray
- No Color-pak needed in pre-pigmented Limestone Gray
- Jet fuel resistant

PRODUCT INFORMATION

Packaging	1.5 gal. unit (5.7 L) of Sikaflex 2c NS EZ Mix plus 2.63 fl. oz. (0.08 L) of Sikaflex NS TG component. Color-pak is also purchased separately. Limestone Gray color available pre-pigmented
Color	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

Shore A Hardness	45 ± 5	(21 days at 73 °F (23 °C) and 50 % R.H.) (ASTM D-2240)
Tensile Strength	220 psi	(21 days at 73° F (23° C) and 50% R.H.)(ASTM D-412)
Tensile stress at specified elongation	140 psi at 100 %	(21 days at 73° F (23° C) and 50 % R.H.) (ASTM D-412)
Elongation at Break	300 %	(21 days at 73 °F (23 °C) and 50 % R.H.) (ASTM D-412)
Adhesion in peel	Concrete Peel Strength: 25 lb. (11.3 kg) Adhesion Loss: 0 %	(73 °F (23 °C) 50 % R.H.) (TT-S-00230C, ASTM C-794)
Movement Capability	± 25 %	
Chemical Resistance	Good resistance to water, diluted acids, and diluted alkalines. Consult Technical Service at 1-800-933-SIKA for specific data.	
Resistance to Weathering	Excellent	
Service Temperature	-40–170 °F (-40–75 °C)	

APPLICATION INFORMATION

Coverage	1 gallon: Yield in Linear feet			
	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	40–100 °F, ambient and substrate temperatures. Sealant should be installed when joint is at mid-range of its anticipated movement.			
Substrate Temperature	40–100 °F, ambient and substrate temperatures. Sealant should be installed when joint is at mid-range of its anticipated movement.			

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.

LIMITATIONS

- The ultimate performance of Sikaflex®-2c NS TG depends on good joint design and proper application.
- Sealant depth for horizontal joint subject to traffic must be 1/2 in. (12.7 mm)
- Maximum expansion and contraction should not exceed 25 % of average joint width.
- Protect Sikaflex®-2c NS TG Component from moisture. Use entire contents of container.
- Maximum addition rate of TG Component is one 2.63 fl oz or (0.2 L) container/unit of Sikaflex®-2c NS TG.
- 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

