

PRODUCT DATA SHEET

Sikaflex[®] Textured Sealant

ONE-COMPONENT, ALL PURPOSE, POLYURETHANE SEALANT

PRODUCT DESCRIPTION

Sikaflex[®] Textured Sealant is a moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant capable of $\pm 25\%$ joint movement. Meets Federal specification TT-S-00230C, Type II Class A. Meets ASTM C-920, Type S, Grade NS, Class 25.

USES

- Designed for all types of joints where maximum depth of sealant will not exceed 1/2 inch.
- Suitable for vertical and horizontal joints; readily placeable at 40°F (4°C).
- Has many applications as an elastic sealant between materials with dissimilar coefficients of expansion.

Ideal for:

- Weatherproofing of joints between brickwork, blockwork, masonry, wood and concrete or metal frames.
- Joints in walls, balconies, around window or door frames.
- Expansion joints.

CHARACTERISTICS / ADVANTAGES

- Excellent adhesion – bonds to most construction materials without a primer.
- Textured appearance blends well to rough or stucco type surfaces.
- Hides imperfections from tooling that a smooth sealant does not.
- Excellent resistance to aging, weathering.
- Non-staining.
- Paintable with water-, oil- and rubber-based paints.
- High elasticity – cures to a tough, durable, flexible consistency with exceptional cut and tear-resistance.
- Stress relaxation.
- Urethane-based; suggested by EPA for radon reduction.

PRODUCT INFORMATION

Packaging	Disposable 10.1 fl. oz. (299 ml), moisture-proof composite cartridges, 24/case
Color	White, aluminum gray, limestone, dark bronze, buff and stone
Shelf Life	12 months
Storage Conditions	Store at 40–95 °F (4–35 °C). Condition material to 65–75 °F (18–24 °C) before using.

Volatile organic compound (VOC) content 40 g/L

TECHNICAL INFORMATION

Shore A Hardness	35±5	
Adhesion in Peel	Concrete: Meets ASTM C-920. Aluminum: Meets ASTM C-920. Glass: Meets ASTM C-920	(ASTM C-794)
Chemical Resistance	Good resistance to water, diluted acids, and diluted alkalines. Consult Technical Service for specific data.	
Resistance to Weathering	Excellent	
Service Temperature	-40–170 °F (-40–77 °C)	

APPLICATION INFORMATION

Coverage	10.1 oz (299 ml) Cartridge: Yield in Linear feet			
	Width/Depth	1/4"	3/8"	1/2"
	1/4"	24.3		
	3/8"	16.2	10.8	
	1/2"	12.1	8.1	6.1
	3/4"	8.1	5.4	4.0
	1"			3.0
	1.25"			2.4
	1.5"			2.0
Ambient Air Temperature	40–100 °F (4–38°C). Sealant should be installed when joint is at midrange of its anticipated movement.			
Cure Time	Final cure: 7 days			
Tack Free Time	< 6 h			

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Clean all surfaces. Joint walls must be sound, clean, dry, frostfree, and free of oil and grease and any other contaminants. A roughened surface will also enhance bond. Install bond breaker tape or backer rod to prevent bond at base of joint.

Priming

Priming is not usually necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure. Consult Sikaflex Primer Technical Data Sheet or Technical Service for additional information on priming.

APPLICATION METHOD / TOOLS

Recommended application temperatures: 40–100 °F (4–38 °C). For cold weather application, condition units at approximately 70 °F (21 °C); remove prior to using. For best performance, Sikaflex Textured Sealant should be

gunned into joint when joint slot is at mid-point of its designed expansion and contraction. Place nozzle of gun into bottom of the joint and fill entire joint. Keep the nozzle in the sealant, continue on with a steady flow of sealant preceding the nozzle to avoid air entrapment. Avoid overlapping of sealant to eliminate entrapment of air.

Tooling and Finishing

Tool sealant to ensure full contact with joint walls and remove air entrapment. Joint dimension should allow for 1/4 inch minimum and 1/2 inch maximum thickness for sealant. Proper design is 2:1 width to depth ratio.

Removal

Uncured material can be removed with approved solvent. Cured material can only be removed mechanically. For spillage, collect, absorb, and dispose of in accordance with current, applicable local, state, and federal regulations.

LIMITATIONS

- When over-coating with water, oil and rubber based paints, compatibility and adhesion testing is essential.
- Sealant should be allowed to cure for 7 days prior to overcoating
- Avoid exposure to high levels of chlorine. (Maximum continuous level is 5 ppm of chlorine.)
- Maximum depth of sealant must not exceed 1/2 in.; minimum depth is 1/4 in.
- Maximum expansion and contraction should not exceed 25 % of average joint width.
- Do not cure in the presence of curing silicone sealants.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not apply when moisture-vapor-transmission condition exists from the substrate as this can cause bubbling within the sealant.
- Use opened cartridges the same day.
- When applying sealant, avoid air-entrapment.
- Since system is moisture-cured, permit sufficient exposure to air.
- White color tends to yellow slightly when exposed to ultraviolet rays.
- Light colors can yellow slightly if exposed to direct gas fired heating elements prior to reaching full cure.
- The ultimate performance of Sikaflex Textured Sealant depends on good joint design and proper application with joint surfaces properly prepared.
- Do not tool with detergent or soap solutions.
- Do not use in contact with bituminous/asphaltic materials.

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.

LOCAL RESTRICTIONS

See Legal Disclaimer.

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.

LEGAL DISCLAIMER

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