

PRODUCT DATA SHEET

Sikaflex[®]+ Crack Flex Sealant

HIGH PERFORMANCE, TEXTURED, SELF-LEVELING, 1-PART POLYURETHANE SEALANT FOR SEALING CRACKS

PRODUCT DESCRIPTION

Sikaflex[®]+ Crack Flex Sealant is a single component, textured, self-leveling, premium grade polyurethane sealant for permanently sealing horizontal cracks.

USES

Sikaflex[®]+ Crack Flex Sealant is used to seal horizontal cracks up to 1 in. (38.1 mm) wide in concrete and cementitious slabs, such as:

- Driveways
- Garages
- Sidewalks
- Balconies
- Pavements
- Terraces
- Decks
- Walkways
- Steps

CHARACTERISTICS / ADVANTAGES

- 1-component, no mixing, ready-to-use
- Self-leveling
- Textured to blend with concrete surface
- Elastic technology allows for crack movement
- Waterproof
- Resists aging and weathering
- Convenient; use with standard caulk gun
- Can be applied to green/new concrete 24 hours after cure
- Can be applied on concrete that has been wet 1 hour after water source has stopped

PRODUCT INFORMATION

Packaging	10.1 fl. oz. moisture proof composite cartridge, 12/case
Color	Gray
Shelf Life	1 year in original unopened packaging
Storage Conditions	Store at 40 to 95 °F (4 to 35 °C). Condition material to 65 to 75 °F (18 to 24 °C) before using

TECHNICAL INFORMATION

Resistance to Weathering	Excellent
Service Temperature	-40 to 170 °F (-40 to 77 °C)

APPLICATION INFORMATION

Coverage	10.1 oz (299 ml) Cartridge: Yield in Linear Feet			
	Width	Depth 1/4"	Depth 3/8"	Depth 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
	1-1/4"			2.4
	1-1/2"			2.0

Ambient Air Temperature	40 to 100 °F (4 to 38 °C). Sealant should be installed when joint is at midrange of its anticipated movement
Curing Time	Final cure: 3 to 5 days
Tack Free Time	1 to 2 hours

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Clean all surfaces. Cracks must be sound, clean, dry, frost-free, and free of oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed.

APPLICATION METHOD / TOOLS

Recommended application temperatures: 40 to 100 °F (4 to 38 °C). Condition sealant to 65 to 75 °F (18 to 24 °C) before using. Cut plastic tip to desired size and puncture airtight seal at base of tip. **NOT FOR SLOPED SURFACES.** Maximum sealant depth is 1/2 in. (12.7 mm) and width is 1 in. (25.4 mm). Minimum depth is 1/4 (6.3 mm) and width is 1/4 in. (6.3 mm). Pour sealant into joint slot in one direction and allow sealant to flow and level out as necessary. Tool as required, although minimum tooling is necessary. Proper design is 2:1 width to depth ratio. Always use bond breaker tape or closed cell backer rod for support on horizontal joints.

For green/new concrete application, 24 hours after concrete has cured. Concrete must be of good quality and strength. Note: Curing will vary depending on temperature and humidity.

- In formed joints, forms must be removed 6 hours before applying sealant.
- In control joints, concrete must be cut 8 hours before applying sealant.

For wet concrete application, water source must be stopped 1 hour before application and concrete must be free of standing water.

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

- Allow 1 week cure at standard conditions when using Sikaflex®+ Crack Flex Sealant in total water immersion situations.
- Maximum exposure level of chlorine is 5 ppm.
- In joints subject to movement - maximum depth of sealant must not exceed 1/2 in. (12.7 mm); minimum depth is 1/4 in. (6.3 mm).
- When using on green/new concrete, concrete must be good quality and strength, sealing poor or low strength concrete 24 hours after may impact the ability of the sealant to gain proper adhesion.
- On wet concrete, water source must be stopped 1 hour before application and concrete must be free of standing water.
- Minimum depth of sealant for horizontal joints subject to traffic is 1/2 in. (12.7 mm).
- 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.
- When using on green/new concrete, concrete must be good quality and strength, sealing poor or low strength concrete 24 hours after may impact the ability of the sealant to gain proper adhesion.
- On wet concrete, water source must be stopped 1 hour before application and concrete must be free of standing water.
- 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.
- The ultimate performance of Sikaflex®+ Crack Flex Sealant depends on good joint design and proper application with joint surfaces properly prepared.

- Do not use in contact with bituminous / asphaltic materials.
- When over-coating with water, oil and rubber based paints, compatibility and adhesion testing is essential.
- Do not use paints which are silicone based or have a high solvent content.

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

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 Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800.933.7452 nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

ECOLOGY, HEALTH AND SAFETY

Keep container tightly closed. Keep out of reach of children. Not for internal consumption. For industrial use only. For professional use only. For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL NOTES

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 Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800-933-7452. 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 Product Data Sheet, product label and Safety Data Sheet prior to product use. SIKa warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product

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