

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
- Paintable with water-based, oil-based or rubber-based paints

PRODUCT INFORMATION

Packaging	10.1 fl. oz. moisture proof composite cartridge, 12/case
Color	Gray
Shelf Life	12 months in original unopened packaging
Storage Conditions	Store at 40 to 95 °F (4 to 35 °C). Condition martial 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
Substrate Temperature	40 to 100 °F (4 to 38 °C). Sealant should be installed when joint is at midrange of its anticipated movement
Cure 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.

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 and prior to painting.
- 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).
- 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.
- Do not apply when moisture-vapor transmission condition exists from the substrate as this can cause bubbling within the sealant.
- To avoid bubbling, do not apply when ambient air and substrate temperatures exceed 100o F (38o C). In extreme summertime conditions, preferably install sealant when ambient air and substrate temperatures are falling.
- 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 overcoating with water-based, oil-based or rubber-based paints, compatibility and adhesion testing of mock-up installations is essential.
- Do not use paints which are silicone based or have a high solvent content. Avoid solvent-based and alcohol-based primers, stains, sealers and coatings.

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

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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 DISCLAIMER

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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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 the product's shelf

life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.** Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 201-933-8300.

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