

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.

OTHER 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

- 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 1-800-933-7452. 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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