



PRODUCT DATA SHEET

Sikaflex® Crack Flex Sealant

HIGH PERFORMANCE, TEXTURED, SELF-LEVELLING, ONE-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.

WHERE TO USE

Sikaflex® Crack Flex Sealant is used to seal horizontal cracks up to 1 in (25 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

PRODUCT INFORMATION

Packaging	Disposable 300 mL (10.1 US fl. oz), moisture-proof composite cartridges, 12/case.
Shelf Life	12 months in original unopened packaging
Storage Conditions	Store at 4 to 35 °C (40 to 95 °F). Condition martial to 18 to 24°C (65 to 75 °F) before using

Colour Grey

TECHNICAL INFORMATION

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

Resistance to Weathering Excellent

APPLICATION INFORMATION

Yield 3.72 lin. m (12.2 linear ft) for a 13 x 6 mm (1/2 x 1/4 in) bead

Ambient Air Temperature 4 to 38 °C (40 to 100 °F)

Curing Time Final cure: 3 to 5 days

Tack-free time 2 to 4 hours

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

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 12.7 mm (1/2 in); minimum depth is 6.3 mm (1/4 in.).
- Minimum depth of sealant for horizontal joints subject to traffic is 12.7 mm (1/2 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.
- 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.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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: 4 to 38 °C (40 to 100 °F). Condition sealant to 18 to 24 °C (65 to 75 °F) before using. Cut plastic tip to desired size and puncture airtight seal at base of tip. **NOT FOR SLOPED SURFACES.** Maximum sealant depth is 12.7 mm (1/2 in.) and width is 38.1 mm (1 1/2 in.). Minimum depth is 6.3 mm (1/4 in.) and width is 6.3 mm (1/4 in.). 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.

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 exact product data and uses.

LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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Sikaflex® Crack Flex Sealant
January 2023, Version 01.02
020515010000000017

SikaflexCrackFlexSealant-en-CA-(01-2023)-1-2.pdf

