

# Sikaflex®-Fillet Joint

1-part polyurethane flexible sealant

<b>Product Description</b>	Sikaflex®-Fillet Joint is a one component thixotropic and fast curing flexible sealant for professional waterproofing applications.
<b>Uses</b>	Sikaflex®-Fillet Joint is used as a general purpose sealant for sealing joint in building construction. Sikaflex®-Fillet Joint is ideally suited to and forms part of Sika's waterproofing system for use as a Fillet Joint form movement junctions (wall / wall, wall / floor) in waterproofing installations.
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"><li>■ One component, ready to use</li><li>■ Permanent flexible</li><li>■ Non Corrosive</li><li>■ Non Staining</li><li>■ Very good adhesion to many substrates</li><li>■ Excellent workability</li><li>■ High tear resistance</li></ul>

## Product Data

### Form

**Colours** Concrete grey / White

**Packaging** 600 ml sausages, 20 sausages per box

### Storage

**Storage Conditions / Shelf Life** 12 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.

Construction



## Technical Data

<b>Chemical Base</b>	1-part polyurethane, moisture curing
<b>Density</b>	~ 1.3 kg/l approx (CQP 006-4)
<b>Skinning Time</b>	40 minutes (+23°C / 50% r.h.)
<b>Curing Rate</b>	3-4 mm/24 hours (+23°C / 50% r.h.)
<b>Movement Capability</b>	+/- 10%
<b>Joint Dimensions</b>	Min. width = 10 mm / max. width = 35 mm
<b>Sag-Flow</b>	0 mm, very good
<b>Service Temperature</b>	-40°C to +90°C

## Mechanical / Physical Properties

<b>Tear Strength</b>	> 6 N/mm (+23°C / 50% r.h.)
<b>Shore A Hardness</b>	~ 40 after 28 days (+23°C / 50% r.h.)
<b>Elongation at Break</b>	~ 400% (+23°C / 50% r.h.)
<b>Shrinkage</b>	5% approx.

## Application Details

**Consumption / Joint Design** The joint width must be designed to suit the movement capability of the sealant. In general the joint width must be > 10 mm and < 35 mm. A width to depth ratio of ~ 2 : 1 must be maintained for joints over 12mm wide with a minimum depth of 8mm.

All joints must be properly designed and dimensioned by the specifier and the main contractor in accordance with the relevant standards, because changes are not usually feasible after construction. The basis for calculation of the necessary joint width are the technical values of the joint sealant and the adjacent building materials, plus the exposure of the building, its method of construction and its dimensions.

### Approximate consumption

Joint width	10 mm	15 mm	20 mm	25 mm	30 mm
Joint depth	10 mm	8 mm	10 mm	12 mm	15 mm
Joint length / 600 ml	~ 7.5 m	~ 4.5 m	~ 2.5 m	~ 1.6 m	~ 1.3 m

*Backing:* Depending on application closed cell, polyethylene foam backing rods or open cell foam backing rod must be used.

**Substrate Quality** Clean and dry, homogeneous, free from oils and grease, dust and loose or friable particles. Cement laitance must be removed.

**Substrate Preparation** Clean, sound, dry and free of oil, grease and surface contaminants such as form release agents, curing membranes and hydrophobic water repellents. Any loose particles or laitance should be removed with a rotary mechanical wire brush followed by blowing out with oil free compressed air. Use Sika cementitious or epoxy mortars for making good spalled or damaged joints.

**Priming** Refer to Primer Selection Guide for detailed information. (This is a separate document).

## Application Conditions / Limitations

<b>Substrate Temperature</b>	+5°C min. / +35°C max.
<b>Ambient Temperature</b>	+5°C min. / +35°C max.
<b>Substrate Moisture Content</b>	Dry

## Application Instructions

**Application Method / Tools** Sikaflex®-Fillet Joint is supplied ready to use. After suitable joint and substrate preparation, insert Backing Rod to required depth and apply primer if necessary. Insert sausage into sealant gun and firmly extrude

Sikaflex®-Fillet Joint into joint making sure that it is full contact with the side of the joint. Fill the joint, avoiding air entrapment. Sikaflex®-Fillet Joint must be tooled firmly against joint sides to ensure good adhesion. Masking tape must be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft. Slick joint with smoothing liquid for a perfect sealant surface.

## Cleaning of Tools

Clean all tools and application equipment with Sika® Remover-208 / Sika® TopClean-T immediately after use. Hardened / cured material can only be mechanically removed.

## Notes on Application / Limitations

Elastic sealants may not be over painted with rigid or less flexible coatings.

Compatibility testing of proposed coatings must be undertaken to ensure suitability.

If there is no history of a particular coating/paint being applied over cured Sikaflex-Fillet Joint for a period of six months or more an overpaintability test should be made to determine:

- that the paint dries properly within the expected time frame.
- That if the paint film dries satisfactorily it is not subsequently softened and/or stained where it comes into contact with the Sikaflex-Fillet Joint when exposed to the heat of the sun.
- That the adhesion of the paint/coating is satisfactory to the Sikaflex-Construction.

Colour deviations may occur due to exposure to chemicals, high temperatures, UV-radiation. However a change in colour will not adversely influence the technical performance or the durability of the product.

Do not use Sikaflex®-Fillet Joint as a glass sealer, on bituminous substrates, natural rubber, EPDM rubber or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant.

Sikaflex®-Fillet Joint should be used with care resealing joints that were previously filled with silicone sealant. Consult our Technical Department.

Do not use Sikaflex®-Fillet Joint to seal swimming pools.

Only use in well ventilated areas

**Do not mix with or expose uncured Sikaflex®-Fillet Joint to substances that may react with isocyanates, especially alcohols which are often components within e.g. thinners, solvents, cleaning agents and formwork releasing compounds. Such contact could interfere or prevent the cross linking curing reaction of the material.**

Epoxy resin coatings should be fully cured prior to the application of the adhesive / sealant as the uncured amine component could inhibit the cure of polyurethane adhesives / sealants.

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**Handling Precautions**

Sika sealants are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should also be taken to prevent the uncured materials from coming into contact with the skin, since people with particularly sensitive skin may be affected. The use of protecting clothing, goggles, barrier creams and rubber gloves is recommended. The skin should be thoroughly cleansed at the end of each working period either by washing with soap and warm water or by using a resin removing cream – the use of powerful solvents is to be avoided. Disposable paper towels, not cloth towels should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water. Consult a doctor immediately.

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**Important Notification**

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request. PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

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