

Construction



Sikaflex[®]-Construction
General Purpose elastic Joint Sealant
based on Polyurethane Technology

Sika[®]

Sikaflex®-Construction

General Purpose Polyurethane Sealant

Description

Sikaflex®-Construction is a general purpose elastic joint sealant based on Sika's PU technology.

Sikaflex®-Construction is a one-component ready to use and reacts with moisture to an elastic sealant.

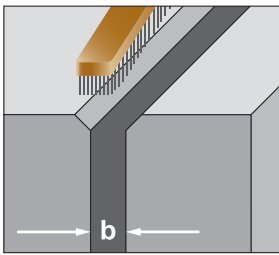


Movement Joint



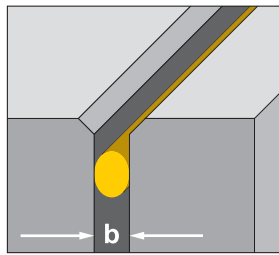
Connection Joint

Application Steps



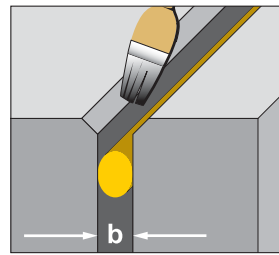
Substrate Conditions

Clean, dry and free of oil, grease, dust and loose particles. If sealant is to be applied onto coatings, compatibility of **Sikaflex®-Construction** must be proved first.



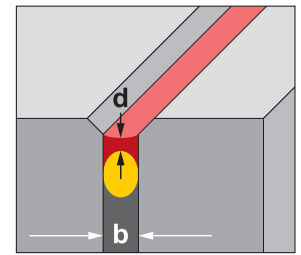
Backer Rods

Diameter of the backer rod should be 20%–30% bigger than the joint width (b).



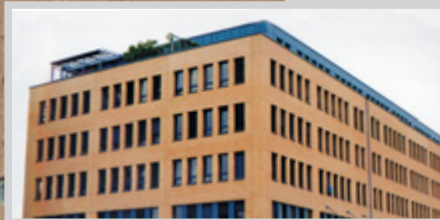
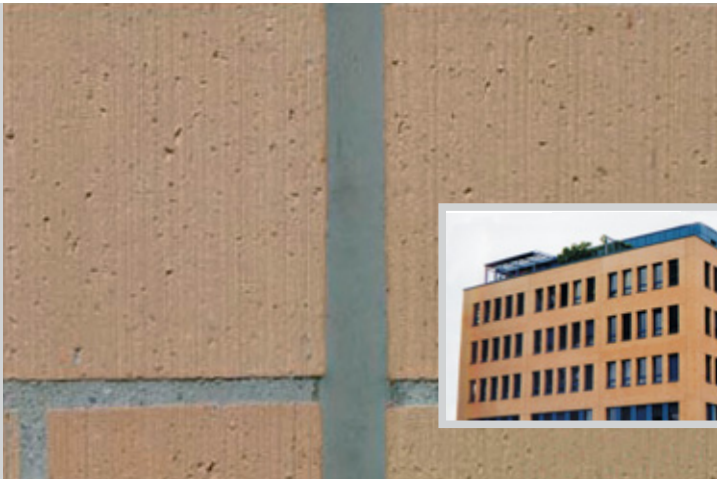
Primer on Concrete and Brickwork

Standard primer = **Sika® Primer-3** (water resistant) may be applied to moist substrates (see Product Data Sheet).



Joint Dimensioning according to DIN 18540





Advantages

- Multipurpose use
- Easy to extrude
- Short cut off string
- Tack free surface
- Bubble free curing
- Good adhesion to many substrates
- Best cost/performance ratio
- Complies to ISO 11 600 class 25 HM
- Good smoothening behaviour
- Compatibility to acrylic dispersion paints

Improved Finishing

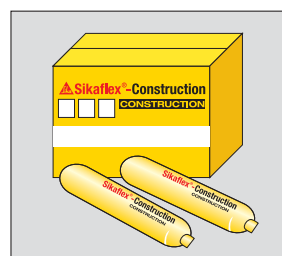
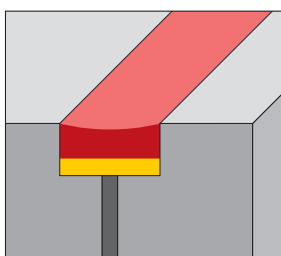
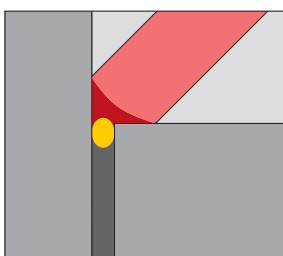
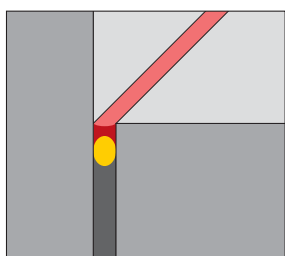
- Good sag resistance
- Short cut off string
- Dry surface when cured

Best Cost / Performance

- General purpose use
- Good adhesion to many substrates

Proven Technology

- Sika's latest hardener technology
- 30 years of polyurethane know-how



Joint Configuration

The total movement capacity of **Sikaflex®-Construction** is 25 % of average joint width. Important is that the joint has been designed properly and a backer rod or "bond-breaker" has been used to avoid three side adhesion and allow the joint to move freely.

Yield with correct joint design

Joint distance	Correction	0–2 m	2–3.5 m	3.5–5 m	5–6.5 m
Joint width	10 mm	15 mm	20 mm	25 mm	30 mm
Joint depth	8 mm	10 mm	12 mm	15 mm	15 mm
310 ml cartridge	3.8 m	2.2 m	1.2 m	0.8 m	0.6 m
600 ml unipac	7.5 m	4.5 m	2.5 m	1.6 m	1.3 m

Yield of Sika® Primer-3: Approx. 40–60 meter joints / 250 ml bottle

Sikaflex®-Construction

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Technical Data	Sikaflex®-Construction (D)
Packaging	Unipac at 600 ml each (1 carton = 20 unipacs)
Shelf life	12 months from date of production if stored in cool and dry conditions (at +10 °C to +25 °C)
Colours	Concrete grey, white, other colours on request
Surface Preparation	
Primer	Sika® Cleaner-205 for powder coatings, EP and PU coatings Flash of time: 15 minutes
	Sika® Primer-3 for porous substrates, e.g. concrete, aerated concrete and cement plaster Flash of time: minimum 30 minutes, maximum 8 hours
	Sika® Primer-215 for PVC and for mortar in window connection joints Flash of time: minimum 30 minutes, maximum 8 hours
	Sika® Primer-35 for metals, e.g. aluminium, stainless steel, galvanized steel Flash of time: minimum 30 minutes, maximum 8 hours
	Primers are only adhesion promoters. They are not substitutes for cleaning the surface nor can they improve their strength significantly. For further information see our Sikaflex® Primer table.
Skinning Time	
Specific gravity	Approx. 1.33 kg/l, DIN 53 479 B
Curing speed (at 23 °C / 50% r.h.)	> 1 mm / 24 hours, normal atmosphere DIN 50 014 / 50-2
Shore A hardness	Approx. 25, as per DIN 53 505
Service temperature	-30 °C to +70 °C

Also available from Sika



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