

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.



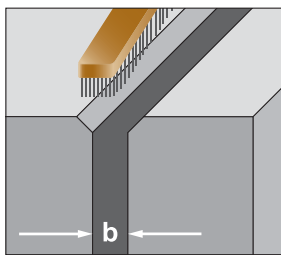
Movement Joint



Connection Joint

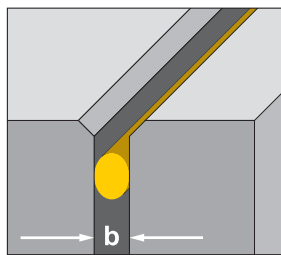


Application Steps



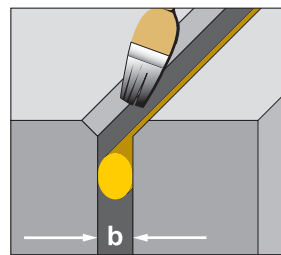
Substrate Conditions

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.



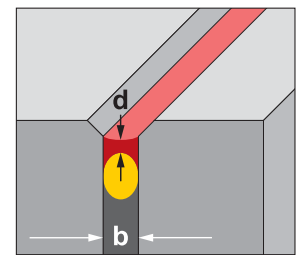
Backer Rods

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



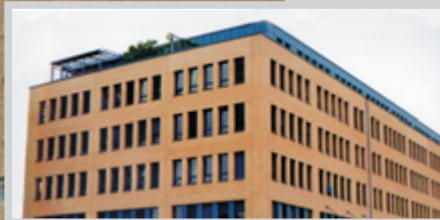
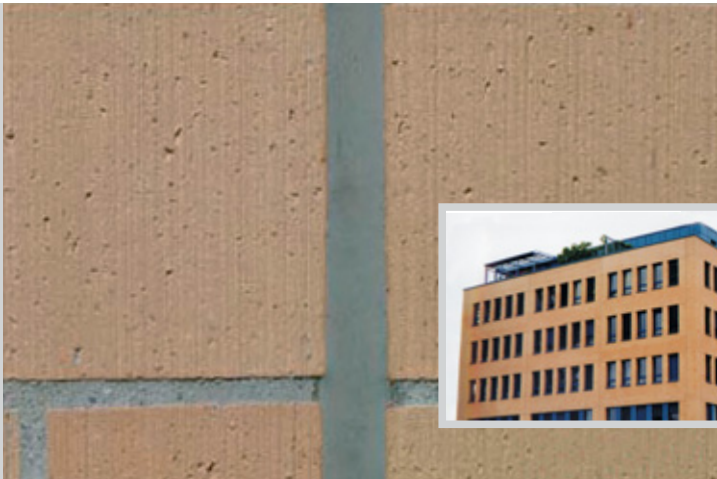
Primer on Concrete and Brickwork

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 smoothing behaviour
- Compatibility to acrylic dispersion paints

Improved Finishing

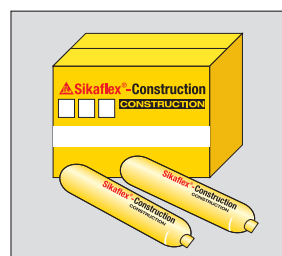
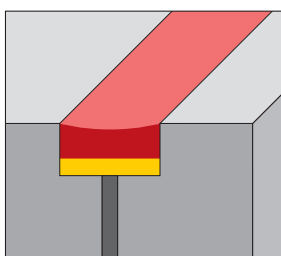
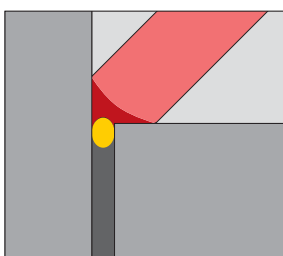
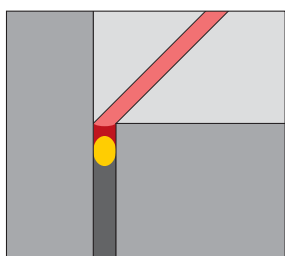
- Good sag resistance
- Short cut off string
- Dry surface when cured

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

General Purpose elastic Joint Sealant

| 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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Your local Sika Company

Our most current General Sales Conditions shall apply. Please consult the Product Data Sheet prior to any use and processing.

