



# Sikaflex® Construction+

Flexible Building Construction Sealant



Innovation & Consistency | since 1910



# The Universal Construction Sealant

## Sikaflex® Construction+

Joint dimensions and shapes in facades are subject to changes due to thermal expansion and contraction of the building units. The corresponding movements must be accommodated by the sealant in order to protect the inner parts of the building against environmental influences. The movements are either due to the size of the single building units (e. g. pre-cast concrete elements) or the thermal expansion coefficient of different building materials and temperature variations. Additionally, structural movements may play a role as well.

Sika's flexible and long lasting sealants are able to absorb these movements and therefore ensure tight and durable joints.

**Sikaflex® Construction+** is a 1-part, moisture curing, elastic joint sealant suitable for movement joints and connection joints in:

- Concrete facades
- Masonry facades
- Parapets of balconies and galleries
- Concrete walls and for window installation as well as many other constructions

### Approvals & Standards

- EN15651-1, class 25 HM
- ISO 11600 F 25 HM
- ASTM C920, class 35
- EMICODE, EC1<sup>PLUS</sup> R, very low emissions
- Passes LEED EQc 4.1





## Sikaflex® Construction+

**Sikaflex® Construction+** is based on **Sika i-Cure®** technology. This new moisture-curing technology and the latest production methods allow the formulation of sealants with best properties.



### Best application properties

#### Key properties

- Easy to extrude
- Very good workability
- Easy to smooth
- Absolutely non sag
- Good adhesion to many substrates
- Solvent free

#### Your benefits

- Faster application
- Higher quality of workmanship
- No disturbing odours from solvents or any ingredients



### Best properties for joint design

#### Key properties

- Uniform product quality
- Conforms to ISO 11600 F 25 HM
- Conforms to EN 15651-1, class 25 HM
- Conforms to ASTM C 920, class 35
- Odourless & very low emissions

#### Your benefits

- Safety in calculation and design
- Ensures that specs and technical requirements are met
- No risk of complaints from residents due to emissions and odours



### Best properties for long lasting joints

#### Key properties

- Very good weathering and ageing resistance
- Unique bubble free curing mechanism
- Movement capability +/-35% (ASTM C 719)
- Concrete like & mat appearance

#### Your benefits

- Long lasting construction with less maintenance costs
- Durable sealant with no flaws and bubbles due to unfavourable curing
- Less risk of failures and leakages due to proven movement capability
- Inconspicuous joints due to concrete-like surface appearance

# Sikaflex® Construction+

Product Information	
Packaging	600 ml foil pack, 20 foil packs per box
Shelf life	15 months (storage between +5 °C and +25 °C)
Colours	White, concrete grey, middle grey, dark grey, grey 5057, beige, brown, black, other colours on request
Sag flow	0 mm (ISO 7390)
Movement capability	+/-25% (ISO 9047) +/-35% (ASTM C719)
Elongation at break	800% (ISO 37)
Application temperature	+5° and +40 °C
Surface Preparation	<b>Sika® Aktivator-205</b> for powder coatings and metals, e.g. aluminium, steel Flash off time: min. 15 minutes
	<b>Sika® Primer-3 N</b> for porous substrates, e.g. concrete, mortar, masonry, plaster Flash off time: min. 30 minutes
	<b>Sika® Primer-215</b> for PVC and mortar in window connection joints Flash off time: min. 30 minutes
	Primers are only adhesion promoters. They are not substitutes for cleaning the surface nor can they improve the strength of the substrate significantly. For further information see Pre-treatment chart Sealing & Bonding. Pre-treatment may be skipped if dry, dust and oil free, high quality substrate.

## Also Available from Sika



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 Please consult the Product Data Sheet prior to any use and processing.

