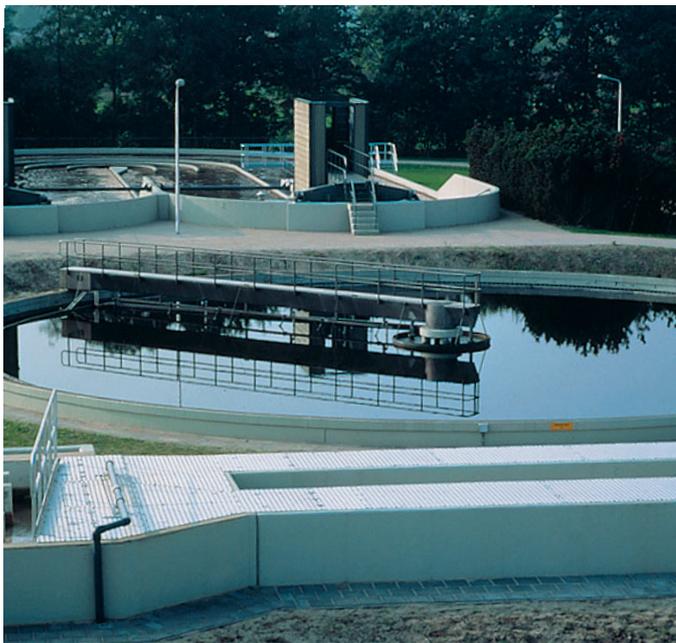


Construction



## Sika<sup>®</sup> Joint Sealants for Building and Civil Engineering



# Sika® Joint Sealants for Building and Civil Engineering

## Sika® Sealants for Building and Civil Engineering

### Introduction:

Sika provides a full range of sealants for joint sealing in buildings and civil engineering structures. Included in the range are general purpose construction sealants and virtually "tailormade" joint sealing solutions for expansion, movement and connection or isolation joints in facades, flooring (including car parks) and even chemically resistant sealants for water and sewage treatment plants, etc. The Sika joint sealant range also contains products for sealing work in interior finishing and for sanitary uses (i.e. in kitchens and bathrooms).

Sika also provides specialist high performance systems for extreme conditions of movement or temperature change (**Sikadur®-Combiflex® System**).

### Joint Design and Dimensions

All joint design and dimensioning must be fully in accordance with the relevant standards (i.e. ISO 11600/DIN 18540).

### Substrate Quality

Clean and dry, sound, free from oil, grease, dirt and loose particles. Loose paint, laitance and any other poorly adhering particles must be removed. Normal construction standards must be observed.

### Primer

A primer has the following functions:

- To improve adhesion
- To prevent sealant contamination of the substrate (i.e. migration)
- To improve the substrate surface

### Backing Rod

Joints are "backed" for the following reasons:

- To prevent three-sided adhesion (lowers movement capability)
- To provide the optimum functional joint cross-section

**Note:** Normally closed-cell, water-repellent, polyethylene foam backer rods should be used.

### Sealant Application Methods

After suitable joint design and a correctly prepared substrate, the sealant is "gunned" into place and tooled to a uniform finish with a spatula and/or suitable smoothing liquid.



### Movement Joints to DIN 18540/ISO 11600



#### Sika Solution

**Sikaflex® PRO-2HP** Sealant  
Elastic one-part sealant based on polyurethane for movement joints to DIN 18540.

#### Sikaflex®-20 AT Sealant

Elastic one-part high performance joint sealant based on the new Sika PU-hybrid technology (AT=Advanced Technology), especially for non-porous substrates.



### Isolation/Connection Joints

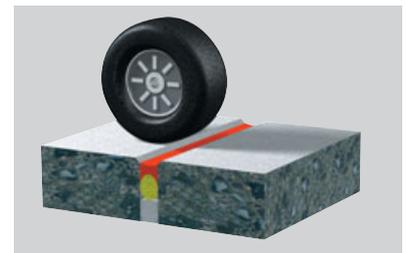


#### Sika Solution

**Sikaflex®-Construction** Sealant  
Elastic one-part multipurpose sealant based on polyurethane. Suitable for indoor and outdoor applications.

#### Sikasil®-C Sealant

Elastic one-part multipurpose sealant based on neutral curing silicone. Suitable for indoor and outdoor applications. Not compatible with paints.

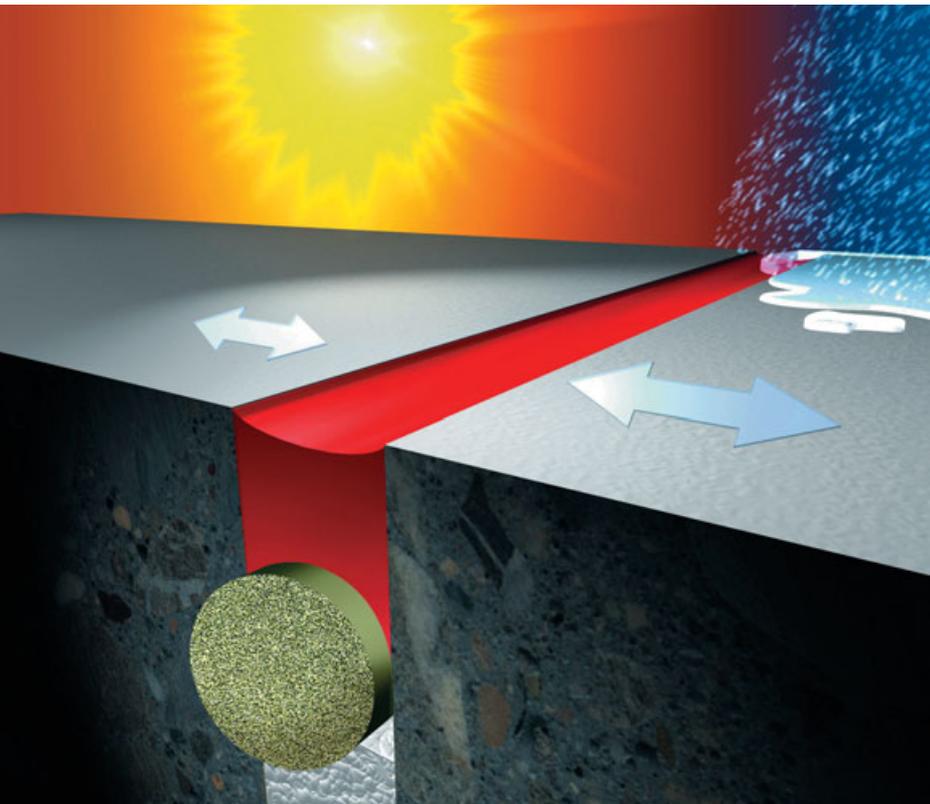


### Concrete Floor Joints



#### Sika Solution

**Sikaflex® PRO-3WF** Sealant  
Elastic one-part sealant based on polyurethane. Especially for use in areas under chemical attack such as sewage and effluent treatment plants, waste water and in tunnels.



## Project-based Requirements

-  Compatibility with paints
-  High adhesion
-  1-component product
-  Waterproof, weather-resistant
-  ISO/DIN tested
-  Overpaintable
-  Chemical resistance
-  Mechanically resistant
-  UV stability
-  Fungicide



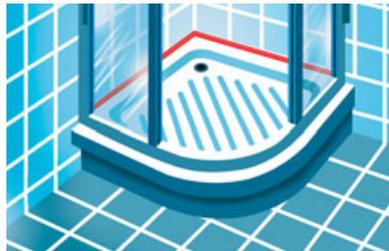
### Joints in Interior Finishes



#### Sika Solution

##### **Sikacryl®** Sealant

Elastic one-part sealant based on acrylic to seal isolation/connection joints and cracks with low movement.



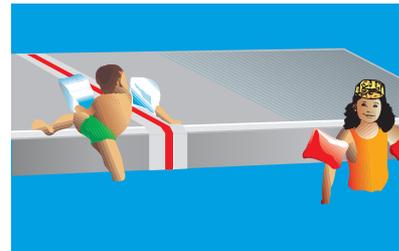
### Sanitary Joints (Kitchens and Bathrooms)



#### Sika Solution

##### **Sikasil®/Sanisil®** Sealant

Elastic one-part sealant based on silicone for isolation/connection joints in "wet" rooms and around sanitary ware.



### Joints for special Requirements

#### Sika Solutions

##### **SikaPlan® Membrane System**

To seal around windows and cladding connection joints particularly in ventilated curtain facades.

##### **Sikadur®-Combiflex® System**

High performance joint sealing system for high movement, high pressure, highly resistant uses consisting of sealing strip (**Sikadur®-Hypalon** membrane) and adhesive (**Sikadur®** epoxy).

##### **Sika® FireSeal-N** Sealant

Elastic one-part flame retardant sealant based on neutral curing silicone.

# Sika® Joint Sealants for Building and Civil Engineering

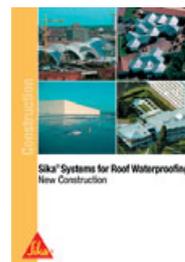
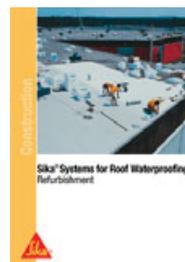
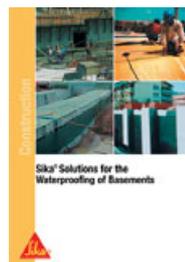
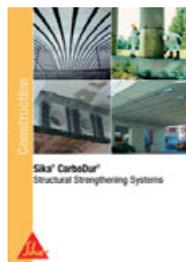
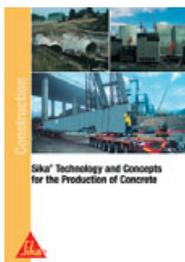
## Sika – Your Local Partner with a Global Presence

Sika is a multinational company in the speciality and construction chemicals business. It has subsidiary manufacturing, sales and technical support facilities in over 70 countries around the world. Sika is THE global market and technology leader in waterproofing, sealing, bonding, damping, strengthening and protection of buildings and civil engineering structures.

Sika has more than 9'200 employees in these subsidiary companies' facilities that are therefore ideally positioned to support the success of our partners – both our suppliers and our customers.



## Also available from Sika



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Your local Sika Company

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