

## PRODUCT DATA SHEET

# Sika® Injection-201 CE

Elastic PUR-Injection resin for permanent watertight sealing

### DESCRIPTION

Sika® Injection-201 CE is a very low viscous, elastic and solvent-free polyurethane injection resin. In contact with water, a uniform, closed and therefore watertight pore structure forms, which is elastic and flexible.

### USES

Sika® Injection-201 CE may only be used by experienced professionals.

- Sika® Injection-201 CE is used for permanent watertight sealing with some flexibility to absorb limited movement, in dry, damp or water-bearing cracks and joints in concrete, brickwork and natural stone
- Sika® Injection-201 CE can be used for the injection of the SikaFuko®-System (non re-injectable!)
- For use in water-bearing cracks under hydrostatic pressure, preliminary injection shall be made with Sika® Injection-101 RC

### CHARACTERISTICS / ADVANTAGES

- Permanently elastic, can absorb limited movements
- No shrinkage in subsequent dry conditions
- Due to its low viscosity it can penetrate into cracks >0.2 mm in width
- Cured Sika® Injection-201 CE is inert and chemically-resistant
- Solvent-free
- In cold temperatures (< +10°C) Sika® Injection-201 CE can be accelerated using Sika® Injection-AC20
- Can be injected as a one component system

### APPROVALS / CERTIFICATES

- German KTW drinking water certificate
- Concrete injection for ductile filling of cracks, voids and interstices (D) according to EN 1504-5:2004, Declaration of Performance 35859175, certified by notified factory production control certification body 0761 and provided with the CE marking.

### PRODUCT INFORMATION

<b>Composition</b>	Water reactive 2-part polyurethane resin, solvent free		
<b>Packaging</b>	Part A	10 kg, 20 kg	
	Part B	10.6 kg, 21.2 kg	
<b>Shelf life</b>	36 months from date of production if stored properly in undamaged, unopened, original sealed packaging.		
<b>Storage conditions</b>	Dry storage at temperatures between +5 °C and +35 °C. Protect from direct sunlight and humidity.		
<b>Colour</b>	Part A	colourless	
	Part B	brown	
<b>Density</b>	<b>Part A</b>	<b>Part B</b>	(ISO 2811)
	~1.00 kg/l	~1.07 kg/l	
All density values determined at +20 °C			

## TECHNICAL INFORMATION

Shore A hardness	~43 (7 days)	(EN 868)
Modulus of elasticity in flexure	~2 MPa	(ISO 527-1)
Tensile strain at break	~35 %	(ISO 527)

## APPLICATION INFORMATION

### Mixing ratio

Part A:Part B 1:1 parts by volume  
**Reaction time table Sika® Injection-201 CE**  
 (ISO 9514)

Dosage*	Material Temperature		
	+5 °C	+10 °C	+20 °C
0.0 %	~180 min	~180 min	~135 min
0.5 %	~60 min	~55 min	~38 min
1.0 %	~29 min	~32 min	~24 min
2.0 %	~16 min	~17 min	~13 min
3.0 %	~13 min	~14 min	~10 min
5.0 %	~9 min	~7 min	~5 min

\*Dosage of Sika® Injection-AC20 in % by weight of Sika® Injection-201 Comp. A

The given data are laboratory parameters and may deviate depending on the object and conditions on site.

**Ambient air temperature** +5°C min. / +35°C max.

**Substrate temperature** +5°C min. / +35°C max.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

Only for application by trained and experienced professionals.

For water intrusions that can not be stopped with Sika® Injection-201 CE, the fast foaming PUR injection resin Sika® Injection-101 RC can be injected until the water flow stops.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Surfaces of cavities and cracks need to be clean, free of loose particles, dust, oil and any other bond-breaking substances. Any dirt must be blown out by compressed air.

### MIXING

Empty parts A and B into a mixing vessel and mix slowly and thoroughly for at least 3 min (max. 250 rpm) until homogeneous, observing the safety precautions. The containers are supplied according to the required mixing ratio of 1 : 1 parts by volume.

Partial quantities can be measured out into separate vessels.

After mixing, pour the material into the pump's feed container, stir briefly and use within the pot life.

If the substrate and/or ambient temperatures are < +10°C, Sika® Injection-AC20 can be added to accelerate the reaction time.

## CLEANING OF EQUIPMENT

Clean all tools and application equipment according to the Product Data Sheet for the Sika® Injection Cleaning System

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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