



Sika[®] Injection-29

Low Viscosity, Swellable Injection Resin



Description	Solvent-free, three component acrylic injection resin which swells in contact with water.
Uses	Sika Injection-29 is used to permanently seal cracks against infiltration of water in concrete or masonry structures. Also suitable for injection with the Sika Injectoflex-System Type HP in construction joints.
Advantages	<ul style="list-style-type: none">- Very low viscosity- Swells in contact with water- For permanent solutions- Solvent-free
Technical Data	
Appearance	Comp. A: Low-viscosity liquid - clear Comp. B: Low-viscosity liquid - pink Comp. C: White powder Mix: Pink; low-viscosity liquid
Density (20°C)	Comp. A: 1.07 kg/l Comp. B: 1.00 kg/l Comp. C: 1.15 kg/l Mix: ~ 1.05 kg/l
Mix ratio	A : B : C = 66 : 33 : 1 parts by weight
Pot life (1 kg; 20°C)	+ 10°C: 2 hrs. + 20°C: 40 min. + 30°C: 20 min.
Volume increase	At 20°C, stored in water, after: 5 days ~ 10 % 20 days ~ 45-50 %
Shrinkage	At 20°C, stored at 50 % rel. humidity, after: 5 days ~ 10 % 20 days ~ 20 %
Viscosity (23°C)	Mix: ~ 18 mPa·s
Storage / Shelf life	In undamaged original containers stored in cool conditions away from sunlight, shelf life is at least 9 months from date of production.
Packaging	30 kg units (Comp. A 19.8 kg pail, Comp. B 9.9 kg pail, Comp. C 0.3 kg bottle) 1.5 kg units

Application

Mixing	Pour selected quantity of Component B into suitable mixing vessel, add Component C in the appropriate proportion and stir slowly until powder is fully dissolved. Then add correctly proportioned quantity of Component A and mix thoroughly with low speed electric drill (300-400 rpm) for 2-3 minutes.	
	Caution: Only mix as much material as you can inject within pot life!	
Temperature	Ambient- and substrate temperature:	Min. +10°C Max. +30°C
Injection	Sika Injection-29 can be injected by any suitable electric one-component injection pumps (made from material which does not corrode in contact with water).	
Cleaning	Clean equipment with water immediately after use.	

Safety Instructions

Safety precautions	When working with Sika Injection-29 always wear suitable gloves and goggles. For more detailed information, ask for safety data sheet.	
Ecology	Do not dispose of into sewage, waters or soil, but in accordance with local regulations.	
Toxicity	All components class 4 under the relevant Swiss Health and Safety Codes.	
Transport (ADR, RID)	Comp. A:	Non-hazardous
	Comp. B:	UN-Nr. 1993, class 3, Nr. 31 c), free quantity: 500 kg
	Comp. C:	UN-Nr. 1505, class 5.1, Nr. 18 c), free quantity: 500 kg

Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

SIKA LIMITED

Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ

Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

