

PRODUCT DATA SHEET

Sika® Injection-107

1-COMPONENT, POLYURETHANE-BASED, SLIGHTLY FLEXIBLE, FOAMING INJECTION RESIN FOR THE PERMANENT WATERTIGHT SEALING OF CRACKS

DESCRIPTION

Sika® Injection-107 is a ready-to-use 1-component, polyurethane based, slightly flexible, foaming injection resin for the permanent watertight sealing of cracks, voids and interstices in concrete.

USES

Sika® Injection-107 may only be used by experienced professionals.

Sika® Injection-107 is used for permanent watertight sealing with some flexibility to absorb limited movement, in water-bearing cracks and joints in concrete, brickwork and natural stone structures.

CHARACTERISTICS / ADVANTAGES

- Permanently elastic, can absorb limited movements
- Durable sealing of water-bearing cracks and voids of > 0.3mm
- Moisture-reactive, one-component polyurethane resin - water contact is required for the foaming reaction and curing to a permanently flexible sealing compound

APPROVALS / CERTIFICATES

- Concrete injection for ductile filling of cracks, voids and interstices (D) according to EN 1504-5:2004, Declaration of Performance 70712948, certified by notified factory production control certification body 0761 and provided with CE marking.

PRODUCT INFORMATION

Composition	Moisture and water reactive one - component, foaming polyurethane resin	
Packaging	Please contact our customer service, for information of what packaging sizes are sold in Denmark.	
Colour	Yellowish	
Shelf life	12 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.	
Storage conditions	Dry storage at temperatures from +5 °C up to +35 °C. Protect from direct sunlight and moisture.	
Density	1.1 kg/l (at 20 °C)	(ISO 2811)
Viscosity	~250 mPa·s (at 23 °C)	(ISO 3219)

TECHNICAL INFORMATION

Elongation at Break	>10 %	(EN 12618-1)
Expansion	Expansion starts	21 sec
	Expansion ends	130 sec
	Free foaming factor	~22 - fold
	Reaction time with 10 % water	
Tensile Adhesion Strength	0.6 N/mm ²	(EN 12618-1)

APPLICATION INFORMATION

Mixing Ratio	1-Component
Ambient Air Temperature	+8 °C min./+40 °C max.
Substrate Temperature	+8 °C min./+40 °C max.
Pot Life	~1 hour at 23 °C / 50 % r.h.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- Surfaces of cracks, joints and voids need to be clean, free of loose and friable particles, with no dust, oil, grease or any other bond-breaking substances
- Any dirt must be blown out with compressed air
- Pre-wet access areas to make cleaning easier

APPLICATION METHOD / TOOLS

Sika® Injection-107 can be used with normal single component injection pumps.

Empty the Sika® Injection-107 into the hopper of the single component pump and start the injection process.

A secondary injection process must be carried out within the gel time (~30 minutes) of the first injection. The secondary injection can usually be carried out through the same packer. A new packer might have to be installed if the secondary injection is done more than 30 minutes after the first one.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika® Injection Cleaner C1, as soon as possible after use. Do not leave any Sika® Injection Cleaner C1 in the injection pump. Cured material can only be removed mechanically.

IMPORTANT CONSIDERATIONS

- Only for professional contractors and trained personnel to use
- Sika® Injection-107 can only be injected in moisture containing areas.
- For application in dry areas pre-inject with clean water

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.

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.

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.

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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