

PRODUCT DATA SHEET

Sika® Injection-107 MY

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

DESCRIPTION

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

USES

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

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

CHARACTERISTICS / ADVANTAGES

- 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 flexible sealing compound
- High expansion rate to ensure good seal
- Cured material is non-toxic

PRODUCT INFORMATION

Composition	Moisture and water reactive one-component, foaming polyurethane resin	
Packaging	18 kg pail	
Colour	Brownish	
Shelf Life	12 months 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	1.10 ± 0.03 kg/l	(ASTM D792)
Viscosity	1 500–2 000 CPS	(ASTM D1638-74)

TECHNICAL INFORMATION

Elongation at Break	> 25 %	(EN 12618-1)
Expansion	> 3 000 %	

APPLICATION INFORMATION

Reaction Time	Foaming time	within 5 minutes
	Induction time	20 seconds (+20 °C)
Gel time	60–120 seconds	

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 MY can be used with normal single component injection pumps. It is necessary to clean the identified crack on substrate prior to injecting Sika® Injection-107 MY. Before drilling and installing packers, ensure there are no rebar, conduit or any concealed items along the crack line underneath the substrate. Pre-determine the hole diameter, depth, angle and spacing between packers. After the packers are set in place, inject Sika® Injection-107 MY by using a high pressure infusing machine from bottom to top. Continue pumping until material reaches and oozes out from the next packer. Move on to the next packer and resume injection of material. If no excess material appears but maximum safe operating pressure has been attained, stop injecting material and move to the next packer. After all packers have been injected, remove packers and seal the drill holes with suitable material.

CLEANING OF TOOLS

Clean all tools and application equipment as soon as possible and in accordance the Product Data Sheet for the Sika® Injection Cleaning System.

IMPORTANT CONSIDERATIONS

- Sika® Injection-107 MY can only be injected in moisture containing areas
- For application in dry areas preinject with clean water
- Do not use product when relative humidity is more than 85 %, rain is imminent or concrete aging is less than 28 days

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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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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

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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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