

PRODUCT DATA SHEET

Sika® Injection-126 MY

Single component semi-flexible hydrophobic polyurethane foam

DESCRIPTION

Sika® Injection-126 MY is a single component macro molecule chemical grouting material for sealing cracks and cavities. Sika® Injection-126 MY has a fast reaction time. When Sika® Injection-126 MY comes into contact with water, it starts to foam and expand very quickly. As the grout reacts with water, it expands and stops the water leak within a very short time. The expansion rate of Sika® Injection-126 MY is dependent on the amount of water present in cracks or cavities, and the relative humidity in the surrounding area.

USES

Sika® Injection-126 MY may only be used by experienced professionals.

- To seal leaking live crack movement joints, pipe intrusions, etc. suffering from infiltration in basements and concrete below water table

- To seal and fill defective concrete (honeycombs, voids, cavities etc.)
- Suitable for cracks where water pressure from the leakage is low

CHARACTERISTICS / ADVANTAGES

- Water resistant
- High expansion
- Short waiting time, reactive with water and foam within 2–3 minutes
- Durable sealing of water-bearing cracks and voids of > 0.3 mm
- Can be applied in temperature as low as +10 °C

PRODUCT INFORMATION

Packaging	20 kg pail
Shelf Life	6 months from date of production
Storage Conditions	Store properly in undamaged, unopened, original sealed packaging, in well ventilated and dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost. Keep away from fire or sparks.
Colour	Transparent brown
Density	1.0–1.1 g/cm ³
Solid content by weight	100 %
Viscosity	450–600 mPa·s

TECHNICAL INFORMATION

Expansion	≥ 2500 %
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APPLICATION INFORMATION

Gel Time

240–300 seconds

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

- Sika® Injection-126 MY will react with moisture from the atmosphere, so it cannot be left exposed for too long. Immediately use Sika® Injection-126 MY when it has been removed from its container.
- The use of Personal Protection Equipment (PPE) such as coveralls for skin protection, safety goggles, mask and gloves are mandatory.
- Sika® Injection-126 MY is a solvent based material. The use of ventilation fans to provide a high air change rate is required especially in closed rooms and/or indoor areas.
- Keep away naked flames, including sparks from equipment (eg. welding equipment).
- Avoid any kind of direct contact with moisture and/or water during storage. Once opened, Sika® Injection-126 MY must be completely used up.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

- By single component pump (on water-bearing cracks)
- By 2-component pump (Sika® Injection-126 MY : Water=1:1, by volume) to produce foams

Sika® Injection-126 MY is for injection directly in water bearing cracks and joints. On contact with water, it forms and expands to fill voids and prevents infiltration. Sika® Injection-126 MY cures to form a flexible seal.

Sealing Cracks (minimum crack width ~0.2 mm)

Drill 15–22 mm Ø holes along the side of the crack at a 45° angle. Drill the holes to intersect the crack mid-way. Install injection packers in the holes and tighten.

Sika Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate,
71800 Nilai, Negeri Sembilan D.K.
Malaysia
Phone: +606-7991762
e-mail: info@my.sika.com
Website: www.sika.com.my



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If the crack to be injected is 10 mm wide or more at the surface, pack an open cell polyurethane foam saturated with Sika® Injection-126 MY into the crack. Spray the saturated foam with a small amount of water to activate the grout and create a surface seal. Inject Sika® Injection-126 MY into or behind fissures or into voids. If voids in the concrete contain insufficient moisture to activate Sika® Injection-126 MY, inject a small amount of water prior to injecting Sika® Injection-126 MY. Inject Sika® Injection-126 MY for approximately 45 seconds and then pause to allow the material to flow into all the cracks and crevices. Continue injecting and watch for material flow and water to appear at the surface of the next packer. When water and/or foam appears at the surface of the next packer, stop injecting and move to the next packer. Repeat the whole process of injection. When sealing vertical cracks, start at the bottom and work upwards. For more information, please contact Sika's Technical Service Department.

CLEANING OF TOOLS

Clean all tools and equipment with organic solvents. Use caution when cleaning the equipment with flammable agent.

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.

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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