

## PRODUCT DATA SHEET

# SikaInject®-232

(formerly MInject 1320)

Single component, flexible PU-Injection Resin

### DESCRIPTION

SikaInject®-232 is a single component hydrophilic injection resin which forms an impermeable flexible seal.

### USES

SikaInject®-232 may only be used by experienced professionals.

- Permanent crack sealing of below ground structures such as tunnels, shafts, basements and underpasses.
- Stopping of minor water seepage.
- Can be injected after SikaInject®-233 in cracks where higher water flows occur.
- Injection through hose-systems (one time injection), such as SikaFuko®.

### FEATURES

- SikaInject®-232 does not require the addition of a “reactor” to activate the material
- Cures to form a flexible and impermeable seal where further limited movement of the concrete is anticipated
- Reacts under wet / damp conditions and foams upon contact with water
- Good bonding to damp / wet surfaces, permanent sealing
- Low viscosity – allows penetration of fine cracks
- Does not contain toxic TDI
- Low shrinkage compared to TDI based injection sealing products

### PRODUCT INFORMATION

<b>Composition</b>	Liquid polyurethane
<b>Packaging</b>	1 L bottles (1.15 kg)
<b>Colour</b>	Yellowish
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	Store in original, unopened and undamaged sealed packaging in dry conditions at temperature between +5 °C and +35 °C. Protect from heat, frost and direct sunlight.
<b>Density</b>	~1.15 kg/l
<b>Viscosity</b>	~300 - 600 cps (25 °C)

## TECHNICAL INFORMATION

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<b>Chemical resistance</b>	SikaInject®-232 has excellent resistance to most aqueous substances and liquids. These include: <ul style="list-style-type: none"><li>▪ Sea water</li><li>▪ Brackish water</li><li>▪ Effluent and raw sewage</li><li>▪ Acids of low concentration</li><li>▪ Alkalis</li><li>▪ Oils (mineral and organic)</li><li>▪ Acids of low concentration</li><li>▪ Alkalis</li></ul>
<b>Elongation at break</b>	~40 %

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## APPLICATION INFORMATION

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<b>Pot Life</b>	~45 min (1 L at 25 °C)
<b>Curing time</b>	7 days (35 °C final cure)

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### BASIS OF PRODUCT DATA

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

### FURTHER DOCUMENTATION

Reaction time depends not only on the temperature in the structure, but also on the temperature of the product itself.

### 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

#### EQUIPMENT

Use injection pumps suitable for single part injection products.

#### APPLICATION

Pump SikaInject®-232 through packers using a manual or a powered 1-C injection pump. Decant the amount of resin required from the unit and close the lid tightly. Frequent exposure to humidity and moisture may cause some skinning on the surface, in the unit. Remove skin before decanting additional resin.

The reaction time is affected by both temperature and relative humidity. In conditions of high relative humidity there may be material "skinning" within the pump hopper. Ensure that this skin is removed during the pumping process, do not allow the skin to be drawn into the pump.

#### CLEANING OF EQUIPMENT

Clean all tools and application equipment as soon as possible and in accordance the Product Data Sheet for the Sika® Injection Cleaning System. Alternatively Sika® Colma Cleaner can be used to remove any polyurethane residue immediately after use. Do not leave Sika® Colma Cleaner in the injection pump. Hardened / cured material can only be removed mechanically.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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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ISO 9001, 14001, 45001 – SGS  
Sika MB LLC  
Sika International Chemicals LLC  
Sika Gulf B.S.C. (c)  
ISO 9001, 14001 – SGS  
Sika Saudi Arabia Limited  
ISO 9001, 14001 – TUV  
Sika MB Construction Chemicals LLC  
Sika Construction Chemicals for Manufacturing LLC  
ISO 9001 – LMS  
Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



### Product Data Sheet

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