

PRODUCT DATA SHEET

SikaInject®-232

2-Component Hydrophilic, flexible PU-Injection Resin

DESCRIPTION

SikaInject®-232 is a 2-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 (1x), 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

Composition	2-part liquid polyurethane
Packaging	1 L bottles (1.15 kg)
Shelf life	12 months in unopened originally sealed packaging
Storage conditions	dry, between 5-35°C, protected from heat, frost and direct sunlight
Density	1.06 kg/l (mixed product)

TECHNICAL INFORMATION

Shore A hardness	60 - 80
Tensile strength	2 N/mm ² (ASTM 638)
Chemical resistance	<p>SikaInject®-232 has excellent resistance to most aqueous substances and liquids. These include:</p> <ul style="list-style-type: none"> ▪ Sea water ▪ Brackish water ▪ Effluent and raw sewage ▪ Acids of low concentration ▪ Alkalis

- Oils (mineral and organic)
- Acids of low concentration
- Alkalis
- Oils (mineral and organic)

Elongation at break

~ 70%



APPLICATION INFORMATION

Pot Life	~45 min (1L mixed, 25°C)
Curing time	7 days (35°C final cure)
Tack free time	~20 min (35°C)

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

Service Temperature: -20°C to +80°C

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.

APPLICATION INSTRUCTIONS

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.

When the injection process is complete empty the pump of any remaining material and thoroughly flush it through with SikaInject-CL2 or any other suitable cleaner. Remove the cleaning agent and flush the pump with mineral oil leaving the working parts full of oil.

Failure to follow the above cleaning procedure may lead to pump-blockage or line blockages. Site trials should always be performed prior to commencing the works.

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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