

PRODUCT DATA SHEET

SikaInject®-1315

(formerly MInject 1315)

Two component low-viscosity epoxy resins

DESCRIPTION

A two component system based on low-viscosity epoxy resins. Ideal for sealing static cracks from widths greater than 100 microns but no more than 9mm. It is highly penetrative and cures to form a permanent and rigid seal against the ingress of corrosive fluids and gases and is capable of restoring structural integrity to concrete elements.

USES

Repair and sealing of “static” concrete cracks. The injection resin can be used to fill and bond dormant cracks in:

- Columns
- Bridge decks
- Floors
- Piers
- Abutments
- Tunnels
- Basements
- Beams
- Underpasses

FEATURES

- Has a low viscosity and will penetrate deeply into very narrow cracks and cavities.
- **SikaInject®-1315** injection resin has superior adhesion to dry surfaces.
- **SikaInject®-1315** will enable a structural repair to be effected and offers high compressive strength. Can be used as a fluid grout up to thicknesses of 9mm.
- **SikaInject®-1315** (once fully cured) will resist hydrostatic pressure and block penetration of deleterious substances.

PRODUCT INFORMATION

Packaging	Comp. (A) Base Resin: 1kg Comp. (B) Reactor Resin: 0.6kg
Shelf life	Up to 12 months if stored in unopened containers according to manufacturer's instructions.
Storage conditions	Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates (ambient temperature of over 35°C) the product must be stored in an air conditioned environment. SikaInject 1315 may be kept in cool boxes preferably bedded in ice, to extend the working time of the product.
Density	1.05 Kg/l

TECHNICAL INFORMATION

Compressive strength	>70N/mm ² at 7 days	
Flexural-strength	>70 N/mm ² at 7 days	
Tensile strength	22N/mm ² at 7 days	(ASTM D 638)
Shear adhesion strength	2 days: 21N/mm ² 14 days: >46N/mm ²	(mean shear slant) ASTM C-881 (mean shear slant) ASTM C-881
Shrinkage	Passes	(ASTM C881)
Service temperature	-20°C to +60°C	
Water absorption	0.2%	
Chemical resistance	SikalInject®-1315 injection resin(in fully cured state) has excellent resistance to most aqueous substances and liquids. These include: 1. Sea water 2. Brackish water 3. Effluent and raw sewage 4. Acids of low concentration 5. Alkalis 6. Oils (mineral and organic)	

APPLICATION INFORMATION

Pot Life	for 1lt	50 minutes 20°C 30 minutes 40°C
Note: Pot life will vary depending on storage and site conditions.		
Curing time	10 days (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.

ECOLOGY, HEALTH AND SAFETY

As with all chemical products, care should be taken, during use and storage, to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product has fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. For further information, refer to the material safety data sheet.

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APPLICATION INSTRUCTIONS

Please refer to Sika Guide to injection for full application details.

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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