



PRODUCT DATA SHEET

Sika® Inject-215

ELASTIC POLYACRYLIC INJECTION RESIN USED FOR PERMANENT WATERTIGHT SEALING

PRODUCT DESCRIPTION

Sika® Inject-215 is a low viscosity, elastic polyacrylic injection resin with a fast, adjustable reaction time and high flexibility for the waterproofing of building structures.

WHERE TO USE

- Used for the injection of SikaFuko® injection hoses to seal construction joint.
- Used to seal water-bearing cracks and voids.
- Used for curtain/membrane injections in damp or water saturated ground conditions to waterproof large surface areas.

- Used as a post-construction, external injection sealing system for construction, and limited movement expansion or drainage pipe joints, that are, or will be, covered with damp or water saturated soil.

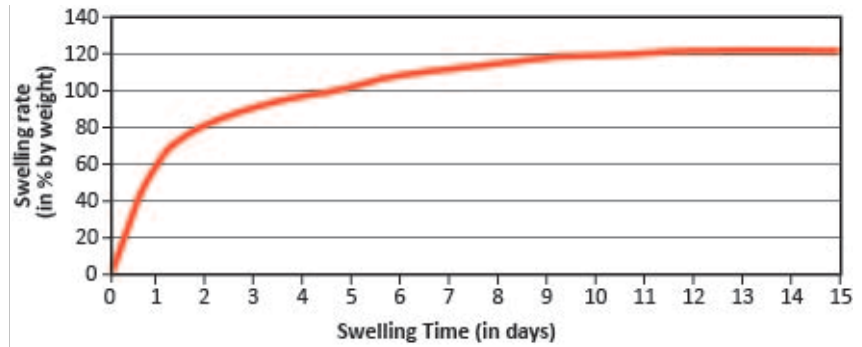
CHARACTERISTICS / ADVANTAGES

- Adjustable pot life between 2 and 15 minutes
- Hydrophilic chemistry allows cured material to swell upon contact with water, providing additional seal properties
- Flexible and solvent-free acrylate resin
- Compatible with water
- Very good penetration

PRODUCT INFORMATION

CSC MasterFormat®	03 64 00 INJECTION GROUTING
Packaging	Approximate yield = 30 L (8 US gal.) Resin 2 x 7.57 L (2 x 2 US gal.) (30 x 41 lb = 1230 lb) Accelerator 2 x 768 mL (26 fl. oz.) Hardener-Powder 2 x 396 g (14 oz.) Measuring cup 100 mL (1 piece) Mixing Instructions
Colour	Yellow
Shelf Life	12 months
Storage Conditions	Sika® Inject-215 can be stored for up to 12 months in sealed containers and at temperatures between +10 °C and +30 °C.
Density	Approx. 1.08 g/mL (at +20 °C (68 °F))
pH-Value	Approx. 10 (at +20 °C (68 °F))
Total Chloride Ion Content	<0.01 %

Swelling



Swelling behavior in demineralized water

Sika® Inject 215 has a medium to high swelling rate and therefore offers additional safety in case of movements/joint movements. The determination of the swelling rate depends of the contact medium, the temperature and reaction time.

APPLICATION INFORMATION

Mixing Ratio

Example for Mixing:

Ambient Temperature: +20 °C (68 °F)

Required Reaction Time: 5 minutes

Component A:

Accelerator quantity = 131 mL (4 1/2 fl. oz)

Resin = 7.57 L (2 US gal.)

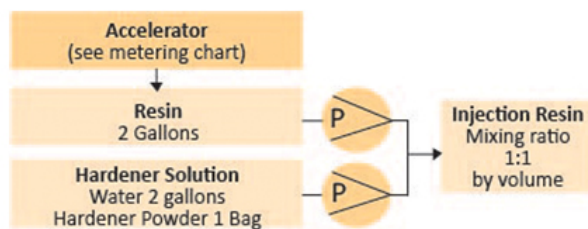
Component B:

Hardener Powder = 1 bag

Water = 7.57 L (2 US gal.)

Reaction Time	Ambient Temperature							
	5°C 41°C	10°C 50°C	15°C 59°C	20°C 68°C	25°C 77°C	30°C 86°C	35°C 95°C	40°C 104°C
2 min.						19	15 1/4	10 1/4
3 min.			22 3/4	16 1/2	10 3/4	6 1/2	5 1/4	3 1/4
4 min.	22 3/4	12 3/4	9 3/4	6 1/2	5 1/2	4	2	
5 min.	15 1/4	9	5 1/2	4 1/2	3 1/4	2 1/4		
10 min.	5 1/4	4	3	2				
15 min.	3 3/4	3						

Quantity of accelerator in fl. oz. per 2 gallons of resin



Please see chart above

Sika® Inject-215 consists of 3 components which can be mixed in dependence of the required reaction times:

1. 7.57 L (2 US gal.) of the resin (Comp. A) are activated with 59 mL to 768 mL (2 fl. oz. to 26 fl. oz) of accelerator. The reaction time - see metering chart - is adjusted by the quantity of accelerator used.
2. The hardener solution (Comp. B) is produced by dissolving 1 bag (396 g (14 oz.)) of hardened powder in 7.57 L (2 US gal.) of water.
3. The pre-mixed components as per point 1 and 2 above are processed with a two component injection pump, having a static mixing unit in a mixing ratio of 1:1.

Please see chart above

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BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

ENVIRONMENT, HEALTH & 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

NOTES ON INSTALLATION

Processing

Injection with two-component pump via injection hoses or drill packer

SUBSTRATE PREPARATION

Substrate Temperature: Minimum: +5 °C min. /
Maximum: +40 °C

APPLICATION METHOD / TOOLS

Sika® Inject-215 is injected with a two-component pump with a static mixing head in the ratio of 1:1 volume. It is necessary all pump components that will be in contact with the Sika® Inject-215 are comprised of stainless

steel.

Sika® Inject-215 will react in dependence with the volume of mixed resin, the accelerator volume, and ambient air temperature. The mixing chart instructions are based on laboratory results, which may differ results on site. A manual test should be completed on site to determine the exact adjustments and pot life of mixed material before injection work commences.

CLEAN UP

Sika® Inject-215 is compatible with water, therefore re-injectable injection hoses can be cleaned by vacuum. Tools and injection pumps can be cleaned with water after use. 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

Product Data Sheet

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