BUILDING TRUST

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.

USES

- Sika® Inject-215 is used for the injection of SikaFuko® injection hoses to seal construction joint.
- Sika® Inject-215 is used to seal water-bearing cracks and voids.
- Sika® Inject-215 is used for curtain/membrane injections in damp or water saturated ground conditions to waterproof large surface areas.
- Sika® Inject-215 is 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

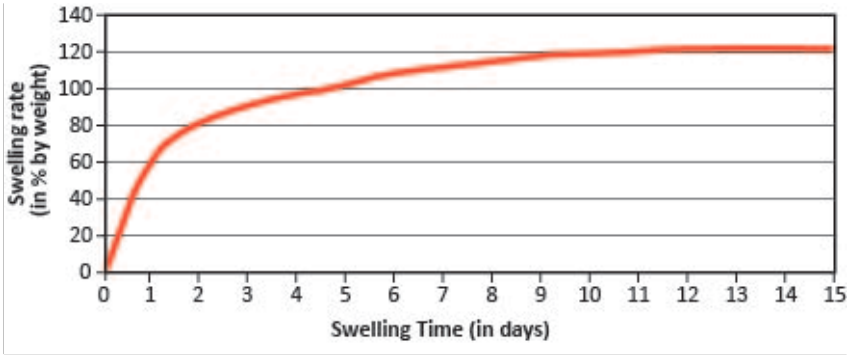
- Adjustable pot life between 2 and 15 minutes
- Hydrophilic chemistry allows cured material to swell upon contact with water, providing additional seal properties.
- Flexible and solvent free acrylate resin
- Compatible with water
- Very good penetration

PRODUCT INFORMATION

Packaging	Approximate yield = 8 US gallons Resin 2 x 2.0 gallons 30 x 41 lbs = 1.230 lbs Accelerator 2 x 26 fl. oz. Hardener-Powder 2 x 14 oz. Measuring cup 100 ml 1 piece Mixing Instruction
Color	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 68 °F (20 °C))

pH-Value	Approx. 10 (at 68 °F (20 °C))
Viscosity	Approx. 6mPas (at 68°F (20°C), mixture of components)
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

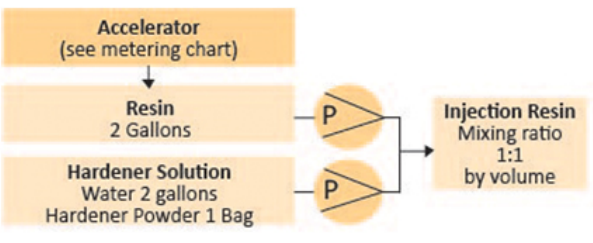
Example for Mixing:
Ambient Temperature 20°C (68°F)
Required Reaction Time 5 min.

Component A	Component B
Accelerator quantity = 4 1/2 fl. oz	Hardener Powder = 1 bag
Resin = 2 gallons	Water = 2 gallons

Metering Chart: Accelerator in fl. oz.	Ambient Temperature 5°C 41°F	10°C 50°F	15°C 59°F	20°C 68°F	25°C 77°F	30°C 86°F	35°C 95°F	40°C 104°F
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						

Reaction Time

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 dependance of the required reaction times:

1. 2 gallons of the resin (component A) are activated with 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 (component B) is produced by dissolving 1 bag (14 oz.) of hardened powder in 2 gallons of water.
3. The pre-mixed components as per point 1 and 2 above are processed with a twocomponent injection pump, having a static mixing unit in a mixing ratio of 1:1.
   Please see chart above
   Sika® Inject-215 consists of 3 components which can be mixed in dependance of the required reaction times:
4. 2 gallons of the resin (component A) are activated with 2 fl. oz. to 26 fl. oz of accelerator. The reaction time - see metering chart - is adjusted by the quantity of accelerator used.
5. The hardener solution (component B) is produced by dissolving 1 bag (14 oz.) of hardened powder in 2 gallons of water.
6. The pre-mixed components as per point 1 and 2 above are processed with a twocomponent injection pump, having a static mixing unit in a mixing ratio of 1:1.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

NOTES ON INSTALLATION

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

SUBSTRATE PREPARATION

Substrate Temperature 5 °C min. / 40 °C max.

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.

CLEANING OF TOOLS

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.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

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