



## Epoxies

# EPOXITE RESIN 95 INJECTION

## Technical Data Sheet

Reviewed: 06.09.2019



### DESCRIPTION

**EPOXITE RESIN 95 INJECTION** is a two component injectable epoxy resin suitable for sealing cracks on concrete. Because of its very low viscosity, it can penetrate into very thin cracks. It does not shrink and it is ideal for bonding similar and dissimilar construction and industrial materials. It exhibits very high resistance to friction, ice, acids, alkalis, corrosion, solvents and temperature variations.

### ADVANTAGES

- Extremely powerful bonding
- Bonds dissimilar objects
- Very low viscosity for easy penetration
- High resistance to humidity
- High resistance to elevated temperature
- High resistance to several chemicals
- Does not contain solvents
- Transparent when dries

### APPLICATIONS

- Repairs cracks and small holes on armed concrete, like foundations, pillars, beams, floors, walls etc
- Bonding fresh to hardened concrete (bonding bridge)
- Waterproofs and seals leaks in pools, water & fuel tanks, recreation vessels, etc

### INSTRUCTIONS FOR USE

1. Surfaces should be dry, clean and free of dust, oily substances.
2. Using a spatula, mix **EPOXITE RESIN 95 INJECTION A** (resin) and **EPOXITE RESIN 95 INJECTION B** (hardener) until a uniform paste is reached. The two components should be mixed for about 3 minutes. It is important to stir the mixture thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the hardener.
3. If the required quantity is smaller than the package, the mixing ratio used is A:B = 4:1

4. Mix only the required quantity because the mixture hardens in about 1 hour depending on environmental temperature. The bigger the mixing quantity, the sooner the mixture will harden
5. Ready mixture can be applied simply by spreading or by using professional injection equipment
6. Full curing is achieved in 48 hours
7. Close lids firmly after use and do not change lids between containers.

**A test should be carried out before final application in order to ensure the compatibility of the materials to be bonded.**

### CLEANING

Tools and adhesive residues should be cleaned right after use with nitro solvent

### TECHNICAL CHARACTERISTICS

#### Component A

**Base:** Epoxy resin

**Form:** Low viscosity liquid

**Odor:** Characteristic

**Color:** Transparent

**Specific Gravity:** 1150 kg/m<sup>3</sup> 25°C (ASTM D 4052)

**Solubility in water:** Ca. 0.009 kg/m<sup>3</sup> 20 °C

**Ignition point:** >150 °C

**Vapor pressure (20 °C):** 0.001 mpa

**Vapor pressure (160 °C):** 2 Pa

#### Component B

**Base:** Polyaminoamide

**Form:** Liquid

**Odor:** Characteristic

**Color:** Honey brown

**Specific Gravity:** 1010 kg/m<sup>3</sup> 25°C

**Solubility in water:** Practically insoluble

**Ignition point:** >21-27 °C Abel (Xylene)

**Vapor pressure (20 °C):** 3,7 kPa( Xylene )

**Vapor pressure (160 °C):** 2 Pa

### MIXED PRODUCT

**Mixing ratio:** A:B = 4:1

**Open time:** 1 hour 20°C

**Initial bonding:** 3 – 4 hours 20°C

**Final bonding:** Subsequent processing of the bonded parts is possible after 12 hours. Final strength is achieved after approximately 24 – 48 hours at 20°C.

**Application temperature:** 10°C - 35°C

### STORAGE

Products should be stored in a dry and cool place at a temperature of 5°C -35°C, away from sources of ignition. Protect from humidity and direct sunlight.

### SHELF LIFE

24 months from the production date in the above mentioned storage conditions. The product should remain in the original unopened packaging bearing the manufacturer's batch number.

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### PACKAGING

Metal containers (A+B) 1kg

PACKAGING	CODE	BARCODE
SET 1kg(A+B)	01840	5204094018407

### HEALTH AND SAFETY INFORMATION

#### COMPONENT A



Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects Eye Irrit. 2: H319 - Causes serious eye irritation Muta. 2: H341 - Suspected of causing genetic defects Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1: H317 - May cause an allergic skin reaction P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P302+P352: IF ON SKIN: Wash with plenty of water P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P308+P313: IF exposed or concerned: Get medical advice/attention P501: Dispose of contents and / or their container according to the separated collection system used in your municipality EUH205: Contains epoxy constituents. May produce an allergic reaction. Substances that contribute to the classification: reaction product: bisphenol-A-(epichlorhydrin) (MW < 700); [(p-tolyloxy)methyl]oxirane  
Restricted to professional users

#### COMPONENT B



Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin Repr. 1B: H360F - May damage fertility. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage Skin Sens. 1: H317 - May cause an allergic skin reaction STOT SE 3: H335 - May cause respiratory irritation P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P501: Dispose of contents and / or their container according to the separated collection system used in your municipality. Substances that contribute to the classification: 2,2'-iminodi(ethylamine); Bisphenol A. Restricted to professional users

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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