



## Epoxies

# EPOXITE RESIN 95

### Technical Data Sheet

Reviewed: 06.09.2019



#### DESCRIPTION

**EPOXITE RESIN 95** is a two component, industrial type, epoxy adhesive. It exhibits excellent adhesion strength and high resistance in humidity, solvents and temperature variations. It does not shrink and it is ideal for bonding similar and dissimilar construction and industrial materials.

#### ADVANTAGES

- Extremely powerful bonding
- Bonds dissimilar materials
- Wide variety of applications
- High humidity resistance
- High temperature resistance
- Excellent resistance to most chemicals
- Paintable
- It does not contain solvents

#### APPLICATIONS

- Ideal for bonding metals, marble, concrete, ceramics, hard plastics, wood, etc.
- Fills horizontal cracks and small holes on concrete
- Bonds fresh to hardened concrete
- Fixing reinforcement rods into concrete
- Priming and reinforcing concrete surfaces as it is, or diluted with nitro solvent

#### INSTRUCTIONS FOR USE

1. Surfaces must be dry and clean from dust and grease.
2. Using a spatula, mix equal amounts from **EPOXITE RESIN 95 A** (resin) and **EPOXITE RESIN 95 B** (hardener) on a clean surface, until the material has a uniform grey colour. The two components should be mixed for about 3 minutes.
3. Mix only the required quantity because the mixture hardens in about 1 hour depending on ambient temperature. The bigger the mixing quantity, the faster the mixture will harden.
4. Apply the adhesive on one surface only and assemble the joint. Apply pressure for at least 3-4 hours.
5. Final adhesion strength is achieved in 48 hours.

**Remark:** replace caps correctly after use and close tightly.  
It is advisable to perform a suitability test for each application.

#### CLEANING

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

#### TECHNICAL CHARACTERISTICS

##### Component A

**Base:** Epoxy resin  
**Form:** Viscous liquid  
**Odor:** Characteristic  
**Color:** Transparent  
**Specific gravity:** 1.16 kg/m<sup>3</sup> 25°C (ASTM D 4052)  
**Viscosity:** 10-14 Pa.s 25°C (ASTM D 445)  
**Solubility in water:** Ca. 0.009 kg/m<sup>3</sup> 20 °C  
**Flash 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:** 950 kg/m<sup>3</sup> 25°C  
**Viscosity:** 4000-6000 Pa.s 25°C  
**Solubility in water:** Ca. Practically insoluble  
**Flash 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 = 1:1  
**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.

#### PACKAGING

Set of 1kg

PACKAGING	CODE	BARCODE
SET 1kg (500gr+500gr)	01800	5204094018001

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### 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 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 P261: Avoid breathing dust/fume/gas/mist/vapours/spray 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 P501: Dispose of contents/container according to the separated collection system used in your municipality

#### COMPONENT B



Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects Flam. Liq. 3: H226 - Flammable liquid and vapour Skin Corr. 1C: H314 - Causes severe skin burns and eye damage Skin Sens. 1A: 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 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking 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 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/container according to the separated collection system used in your municipality EUH208: Contains Pine oil. May produce an allergic reaction. Substances that contribute to the classification: Amides, from tall-oil fatty acids and tetraethylenepentamine; Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine

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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