



Epoxies

EPOXITE CONSTRUCT

Technical Data Sheet

Reviewed: 06.09.2019



DESCRIPTION

EPOXITE CONSTRUCT is a two component, industrial type, powerful epoxy adhesive-putty. It exhibits 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. It is specially recommended for marble.

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 marble, granite, ceramic tiles, metal, concrete, stone, ceramics, wood, etc.
- Repairs cracks and small holes on concrete
- Bonds fresh to hardened concrete
- Fixing and imbedding steel reinforcement for concrete
- Bonding of reinforcement steel jackets

INSTRUCTIONS FOR USE

1. Surfaces must be dry and clean from dust and grease.
2. Using a spatula, mix equal amounts from **EPOXITE CONSTRUCT A** (resin) and **EPOXITE CONSTRUCT B** (hardener) on a clean surface, until the material has a uniform gray color.
3. Apply adhesive on one surface of the joint and assemble carefully.
4. Keep the joint supported until set (approx. 1 hour).
5. Mix the needed amount of adhesive each time since the mixture will harden within 3-10 minutes, depending on ambient temperature.
6. **EPOXITE CONSTRUCT** attains its full strength after 24 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

COVERAGE

1,7 kg/m²/mm layer thickness.

TECHNICAL CHARACTERISTICS

COMPONENT A

Base: Epoxy resin , reaction product between BISPENOL-A and EPICHLORHYDRIN.

Color: White

Form: Paste

Specific Gravity (DIN 53479): 1,6 +/- 0,1 gr/ml

Viscosity: High viscosity paste

Solubility: Organic solvents

Flash point: > 200°C

Ignition temperature: 420 °C

COMPONENT B

Base: Cycloaliphatic amine mixture

Color: Grey

Form: Paste

Specific Gravity (DIN 53479): 1,6 +/- 0,1 gr/ml

Viscosity: High viscosity paste

Solubility: Organic solvents

Flash point: > 200°C

Ignition temperature: 420 °C

MIXED PRODUCT

Mixing ratio: A:B = 1:1

Open time: 10 minutes 20°C

Initial bonding: 1 hour 20°C

Final bonding: Subsequent processing of the bonded parts is possible after 3-5hours. 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

12 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, 2Kg

PACKAGING	CODE	BARCODE
SET 1kg (500gr+500gr)	01814	5204094018148
SET 2kg (1kg+1kg)	01815	5204094018155

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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 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) (CAS: 25068-38-6); 2,3-epoxypropyl neodecanoate (CAS: 26761-45-5)

COMPONENT B



Acute Tox. 4: H332 - Harmful if inhaled Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects 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 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/container according to the separated collection system used in your municipality Substances that contribute to the classification: 2-piperazin-1-ylethylamine (CAS: 140-31-8); Bisphenol A (CAS: 80-05-7); Benzyl alcohol (CAS: 100-51-6); Xylene (CAS: 1330-20-7). 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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