



Primers

EPOXITE DUR

Technical Data Sheet

Reviewed: 14.09.2022



DESCRIPTION

EPOXITE DUR is an extremely powerful, transparent, 2 component solvent based epoxy primer. It exhibits high scrub resistance and hardness. It is highly resistant to water, acids, alkalis, petroleum based products etc. It is suitable for strengthening and protecting concrete or plaster surfaces.

ADVANTAGES

- Excellent adhesion and very high penetration capacity on porous surfaces
- Substrate reinforcement
- Dries quickly and does not cause yellowing of the final color
- Indoor and outdoor use
- Easy to apply

APPLICATIONS

- Priming concrete surfaces before applying epoxy and polyurethane swimming pool and floor paints.
- It can be used as a final coat on cement screeds so as to strengthen and stabilize the surface in order to avoid dust formation (dust formation on concrete surface due to chalking).
- Suitable as well for plaster, stone, brick, gypsum, cement boards, metal, wood and other surfaces.

METHOD OF APPLICATION

Surface Preparation

1. Surfaces should be dry, clean and free of dust, oil and friable residues.
2. Surfaces should not be cleaned with water, but they should be brushed, scrubbed or sand blasted instead. If the surface is cleaned with water, it should be allowed to dry 3-5 days before coating.
3. If there are any cracks or openings, they should be found and filled using epoxy putty EPOXITE CONSTUCT.
4. It is essential that the surface is free of dust prior application, so a high absorption vacuum cleaner should be used.
5. New cement screeds should be allowed to dry for at least 28 days.

6. Surface humidity should not be over 4%.

Mixing

1. A (resin) and B (hardener) components are already packed in separate containers with a preset mixing ratio. Any modification of the mixing ratio will result in improper polymerization of the mixture.
2. B component should be added completely in component A.
3. The two components should be mixed for about 3 - 5 minutes using a low speed mixer.
4. It is important to stir the mixture thoroughly near the sides and the bottom of the container in order to achieve uniform dispersion of the hardener.
5. **CAUTION!** The material should not be left mixed for more than 20-35 minutes (depending on the ambient temperature) before application.

Application

1. **EPOXITE DUR** should be applied in a single coat using roller, brush or spray gun.
2. The final coat - paint should be applied within 24 - 48 hours after priming. During very hot weather the time is reduced by up to half.
3. If the surface will be recoated after 15 days from the primer application, then the surface should be scrubbed with sandpaper and cleaned thoroughly before application.

REMARKS

- The ideal temperature for applying epoxy coatings is between +15°C - +25°C. In lower temperatures (<+15°C) delayed hardening is observed while in higher temperatures (>+30°C) curing is accelerated. It is advised to store the product in room temperature between +15°C - +25°C in order to facilitate mixing.
- Bonding between successive layers may be severely affected by the intervention of moisture or dirt.
- Primed surfaces should be protected from moisture until dry. Moisture may induce unwanted effects during hardening. Discolored or sticky parts of the surface should be removed by grinding or milling and laid again.
- EPOXITE DUR contains solvents. Ventilate adequately the working area. It is advised to use protective gloves and mask suitable for solvents. After hardening the product is safe for health.
- Before using the product consult the **SAFETY DATA SHEET**

CLEANING

Clean tools immediately after use with nitro solvent

CONSUMPTION

8-14m²/Lt

TECHNICAL DATA

Base: Two component epoxy resin

Form: Low viscosity liquid

Color: Yellowish

Odor: Characteristic

Mixing Ratio: A:B = 2:1

Specific gravity

A Component: 0,98 gr/ml

B Component: 0,87 gr/ml

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Viscosity

A Component: 10 cps

B Component: 50 cps

Mixture Pot Life: About 3 hours (+20°C)

Minimum hardening temperature: +8°C

Walkability: 24 hours after application (+23°C)

Recoating: 12 - 24 hours after application (+23°C)

Resistance: Excellent in friction and aging

STORAGE

Products should be stored in a dry and cool place at a temperature of 5°-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 1Lt, 3lt, 10,5 Lt

| PACKAGING | CODE | BARCODE |
|------------|-------|---------------|
| SET 1Lt | 1844 | 5204094018445 |
| SET 3Lt | 01849 | 5204094018490 |
| SET 10,5Lt | 01887 | 5204094018506 |

HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Component A



Harmful in contact with skin or if inhaled. Toxic to aquatic life with long lasting effects. Causes serious eye irritation. Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash thoroughly after handling. Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire: Use ABC powder extinguisher to extinguish. Dispose of contents/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); Xylene

UFI: 8CN0-60W2-U005-MJFS

Component B



Harmful in contact with skin or if inhaled. Harmful to aquatic life with long lasting effects. Causes serious eye damage. Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash thoroughly after handling. Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire: Use ABC powder extinguisher to extinguish. Dispose of contents/container according to the separated collection system used in your municipality. Substances that contribute to the classification: Xylene; Butanone; Polyamide; 3,6-diazaoctanethylenediamin

UFI: VFN0-Q0KG-400N-8W1U

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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