



# Primers

## EPOXITE DUR AQUA

### Technical Data Sheet

Reviewed: 14.04.2024

#### DESCRIPTION

**EPOXITE DUR AQUA** is an extremely powerful, 2 component waterbased 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. It is applied to vertical and horizontal surfaces as a moisture barrier, as a substrate stabilization agent or as an anchoring primer for the adhesion of subsequent layers. Ideal for interior use where the presence of solvents is undesirable. It is applied to dry or slightly damp substrates – but not to substrates with stagnant water.

#### ADVANTAGES

- Excellent adhesion on porous and non-porous substrates.
- Very high penetration capacity on porous surfaces
- Substrate reinforcement
- Humidity barrier
- Application to dry and slightly damp substrates
- Dries quickly
- 100% solvent free – water based
- Indoor and outdoor use
- User friendly – ZERO V.O.C.
- Easy to apply

#### APPLICATIONS

- Priming concrete surfaces before applying epoxy and polyurethane swimming pool and floor paints.
- Used as bonding agent between cement layers.
- Used as primer of new waterproofing materials on old stable waterproofing coatings.
- It can be used as a final coat on cement screeds to strengthen and stabilize the surface in order to avoid dust formation (dust formation on concrete surface due to chalking).
- As rising moisture barrier on cementitious floors when applied when applied according to specifications.
- Suitable as well for plaster, stone, brick, gypsum, cement boards, wood and other structural 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.
3. If the surface is cleaned with water, remove all ponding water.
4. If there are any cracks or openings, they should be found and filled using epoxy putty EPOXITE CONSTUCT or high strength repair mortar ISOMIX MECHANIC R4.
5. It is essential that the surface is free of dust prior application, so a high absorption vacuum cleaner should be used.
6. New cement screeds should be allowed to dry for at least 28 days.
7. Substrate humidity should not exceed 8%.

##### Mixing

1. A and B 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. Dilute mixture 10 – 30% with clean water.
5. It is important to stir the mixture thoroughly near the sides and the bottom of the container to achieve uniform dispersion of the hardener.
6. CAUTION! The material should be used for up to 45 minutes to 1h after mixing (depending on the ambient temperature).

#### Application

1. **EPOXITE DUR AQUA** should be applied using roller, brush or airless spray in one, two or three coats (depending on application). One layer is usually sufficient for priming, while three layers are required for moisture barrier.
2. The final coat - paint should be applied within 24 hours after priming. During very hot weather the time is reduced by up to half.
3. If the surface will be recoated after 36 hours from the primer application, then the surface should be scrubbed with sandpaper, cleaned thoroughly and primed again 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.
- It is advised to use protective gloves during mixing & application.
- Before using the product consult the **SAFETY DATA SHEET**

#### CLEANING

Clean tools immediately after application using soap and water

#### CONSUMPTION

As primer: 150 – 200gr/m<sup>2</sup> (1-2 coat application)  
As moisture barrier: 600gr/m<sup>2</sup> (3 coats application)

#### TECHNICAL DATA

**Base:** Two component epoxy resin

**Form:** Low viscosity liquid

**Color:** Yellowish

**Odor:** Characteristic

**Mixing Ratio:** A:B = 100:25

**Specific gravity:** 1,02 ± 0,05 kg/Lt

**Dilution:** 10 – 30% with clean water

**Mixture Pot Life:** approx. 1h (+25°C)

**Minimum hardening temperature:** +10°C

**Walkability:** 12 hours after application (+25°C)

**Recoating:** 18 - 24 hours after application (+25°C)

**Resistance:** Excellent in friction and aging

**VOC (Volatile organic Compounds) CONTENT:** (Directive

2004/42/CE) EU maximum VOC content limit values for this product

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(category AjWB): 140 gr/lit (2010). This product contains maximum 0 gr/lit VOCs (ready for use product).

#### STORAGE

Products should be stored in a dry and cool place at a temperature of 5<sup>o</sup>-35<sup>o</sup>C. Protect from frost.

#### 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 750gr, 3kg, 10kg

PACKAGING	CODE	BARCODE
SET 750gr	7299	5204094072997
SET 3kg	7300	5204094073000
SET 10kg	7301	5204094073017

#### HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Consult Material Safety Data Sheet prior to application  
Component A



UFI: C9X0-U0PC-P00N-D22G

#### Component B



UFI: EFX0-V025-900M-QR7M

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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