

# WATERPROOF EPOXY PRIMER AQUA



Two-component water based clear epoxy primer



## PROPERTIES

Two-component, water-based epoxy primer with strong adhesion to non-absorbent substrates and cementitious surfaces. It is recommended where the presence of solvents is undesirable or must be avoided. **It can be applied on porous and non-porous, slightly damp substrates, when there is no stagnant water present.** Classified SR-B2,0 per EN 13813.

## APPLICATIONS

WATERPROOF EPOXY PRIMER AQUA stabilizes absorbent concrete surfaces and prevents dusting. It is applied on existing bituminous membranes, ceramic tiles, metal surfaces and well adhered acrylic or polyurethane coatings before the application of WATERPROOF 500, the polyurea waterproofing coating.

The combination of WATERPROOF EPOXY PRIMER AQUA with the WATERPROOF 500 sealant contributes to the long-term durability of the waterproofing. Suitable for applications subjected to rising damp and/or negative pressure (floors, swimming pools, storage tanks, building foundations etc.).

## USE

### 1. Surface preparation

Careful preparation of the substrate is crucial for achieving exceptional results. The surface must be sound, free of loose sections, dust, grease, salts, rust and debris. Loose materials are removed by sanding with the appropriate equipment (grinder etc.). The concrete grade must be at least C20/25. Repairs of worn surfaces and filling of gaps and holes can be fixed with the use of appropriate repair material of DUROSTICK. It is recommended to clean with a high absorbency vacuum cleaner.

### 2. Application

Empty the content of container B into container A and mix with a low rpm drill for 3 minutes. In order for the two components to be mixed thoroughly, mixing should also be done both on the sides as well as at the bottom of the container. Continuing, thin with 5-25% by weight of water, depending on the application. Add water to achieve the required workability and apply one coat using a roller or a brush. After 24-48 hours of primer's application and since is less than

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4%, apply the first coat of the polyurea water-proofing coating WATERPROOF 500. In case more than 48 hours pass after the primer's application, the primed surface must be slightly roughened. Alternatively, broadcast/dry shake QUARTZ SAND of DUROSTICK (grain sizes between 0.01-0.5mm), immediately after the primer application to ensure proper adhesion. Non-adhered quartz aggregates must be removed with a high-performance vacuum cleaner.

## NOTES

- Special care is recommended in the application of the material within the life time in the container (approximately 1 hour, depending on the environmental conditions), as its maturation inside the container is not visible.
- At low temperatures and/or high humidity the drying time is extended.

## CLEANING

Clean all tools with water, immediately after use

## CONSUMPTION

125-150gr/m<sup>2</sup> per coat, depending on the absorbency of the surface and the dilution rate.

## STORAGE

**Component A:** Store in its factory sealed packaging, protected from frost and humidity, for at least 24 months from production date.

**Component B:** Store in its factory, hermetically sealed packaging, for at least 24 months from production date.

## SAFETY DIRECTIONS

The product is classified as an irritant. It is recommended to keep away from the reach of children and apply it in well ventilated areas. Before use, refer to the cautions on the product packaging or the Material Safety Data Sheet.

## PACKAGING

Carton box with 4pcs - 4kg (A: 3kg, B: 1kg)

## TECHNICAL SPECIFICATIONS

<b>Chemical base</b>	Two component epoxy resin
<b>Color</b>	White, becomes transparent when dry
<b>Mixture density</b>	1.03±0.05kg/lt
<b>Mixing ratio A:B</b>	3:1 by weight
<b>Pot life</b>	60 minutes at 20°C
<b>Recoating time</b>	After at least 24 hours at 25°C
<b>Full cure</b>	After 7 days at 25°C
<b>Foot traffic</b>	After 14 hours at 25°C
<b>Application temperature</b>	From +10°C to +35°C
<b>Adhesion resistance (EN 1542)</b>	>2 N/mm <sup>2</sup>
<b>Dilution rate</b>	<p><b>As stabilizer</b> of absorbent substrates, add 25% of clean, cool water</p> <p><b>As primer</b> for non-absorbent surfaces, add up to 10% of clean, cool water</p>

## V.O.C. (Volatile Organic Compounds):

Limit value of maximum V.O.C. content according to EC (Directive 2004/42/EC) for the particular product (category A/c: 'Coatings for exterior walls of mineral substrate', type WB): 40gr/lt (2010). Ready to use product contains maximum 35gr/lt V.O.C.

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<b>DUROSTICK S.A.</b> ASPROPYRGOS ATHENS PC:193 00 <b>GREECE</b> <b>19</b>	
DoP No.: 149 <b>EN 13813 SR-B2,0</b> <b>WATERPROOF EPOXY PRIMER AQUA</b> Primer	
Reaction to fire:	NPD
Release of corrosive substances:	SR
Water permeability:	NPD
Wear resistance:	NPD
Bond strength:	B2,0
Impact resistance:	NPD
Sound insulation:	NPD
Sound absorption:	NPD
Thermal resistance:	NPD
Chemical resistance:	NPD

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