



# Epoxy Hydro 2K Primer

Epoxy water-based 2-component low emission floor primer



**Covering Power:** 8-10 m<sup>2</sup>/lt



**Drying:** 1 - 2 hours



**Dilution:** 10-15% with water



**Recoatability:** 24 - 48 hours



**Packing:** 900ml, 4L (A+B)

**Application:** Brush, nylon roller


## GENERAL CHARACTERISTICS

Two-component water-based epoxy primer suitable for the protection of concrete floors for indoor use. Used as a primer and adhesion promoter on properly prepared substrates.

Suitable for painting concrete floors in factories, shops, warehouses, workshops, car parks, workshops and in general surfaces with high mechanical and chemical stresses, before applying the final epoxy paint.

## TECHNICAL CHARACTERISTICS

<b>Density</b>	Component A: 1,02 ± 0,02 kg/lt Component B: 1,12 ± 0,02 kg/lt Mix A+B: 1,04 ± 0,02 kg/lt
<b>Mixing ratio</b>	100A:40B by weight
<b>Covering power</b>	8 -10 m <sup>2</sup> /lt per coat, depending on floor type
<b>Dilution</b>	10 - 15 % on volume with water
<b>Drying</b>	1-2 hours touch free. The above times are extended under cold and wet conditions.
<b>Recoatability</b>	Recoatable in 24 hours after application and no later than 48 hours.
<b>VOC class</b>	"Two-pack reactive performance coatings. Floor coatings". Type WB. VOC limit =140 gr/lt. Max VOC of product ready for use= 70 gr/lt.
<b>Pot life of mixture</b>	60 min (+10°C), 45 min (+20°C), 30 min (+30°C)
<b>Curing time</b>	2-7 days (+10°C), 1-5 days (+20°C), 12 hours-3 days (+30°C)
<b>Ambient temperature</b>	10°C-30°C
<b>Substrate temperature</b>	10°C-30°C
<b>Relative humidity</b>	<70%
<b>Substrate humidity</b>	<5%
<b>Washability</b>	At least 7 days from its application
<b>Shades</b>	Colourless-transparent

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VECHRO S.A. Liosion 302, 111 45 Athens <a href="http://www.vechro.gr">www.vechro.gr</a>	
<b>DoP: 11 - CE - PRO EPOXY HY- DRO 2K Primer</b>	
<b>EN 13813 SR-B2,0 PRO EPOXY HYDRO 2K PRIMER</b>	
Release of corrosive substances	SR
Abrasion resistance	AR 0,5
Bond strength	B 2,0
Impact resistance	NPD
Reaction to fire	NPD

#### SURFACE PREPARATION

To ensure proper adhesion of the paint, the surface to be painted must be cleaned of dust, grease, oil, peeling old paint, loose pieces, etc., with a brush or a vacuum cleaner. New surfaces made of concrete or cement mortar must be painted at least one month after their construction. Surfaces painted with one-component paints must be thoroughly cleaned with solvents or mechanical means, while two-component paints and generally smooth surfaces must be thoroughly sanded. Cementitious substrates must be treated by mechanical means to achieve an open porosity surface. Concrete of reduced strength should be removed and surface defects repaired (protruding points, holes, cracks, etc.). EPOXY HYDRO 2K PRIMER is then applied to concrete surfaces.

#### APPLICATION

Before mixing, stir component A mechanically at low speeds. Add component B to component A, dilute 10-15% with water and stir until completely homogenized for 2-3 minutes. The mixing process should be done at the bottom of the package, scraping the sides and bottom of the container to ensure complete mixing. Overmixing should be avoided to minimize air entrapment. Only mix whole packages. After 5-10 minutes we immediately apply a layer of EPOXY HYDRO 2K PRIMER. If necessary, once dry, apply the second layer crosswise.

#### CLEANING EQUIPMENT

During the work keep the tools "wet" in the container or vessel with the paint. Drain the paint thoroughly from the tools back into the box and clean them immediately with warm soapy water. Do not empty washing liquids into the water table.

#### APPLICATION CONDITIONS

Substrate and ambient temperature should be between 10oC-30oC, substrate humidity less than 5% and relative humidity lower than 70%. Adverse conditions during application can alter the final properties of the paint.

#### STORAGE

The product should be stored in its original, sealed packaging, in dry conditions and at temperatures between +5°C and +30°C. Protect the material from frost and sun exposure. Storage time: 1 year in the original, sealed packaging.

#### REMARKS

In closed areas, adequate ventilation with fresh air should be ensured to avoid problems during curing of the product film. If a period of more than 2 days elapses between successive coats, a light sanding of the surface is recommended before applying the next coat. At low temperatures and/or high humidity the curing times are prolonged. Protect the surface from rain/water during the curing phase. The substrate temperature should be at least 3°C above the dew point in order to reduce the risk of condensation and bubbling of the product finish.

#### SAFETY

Read the label before use. For detailed instructions-precautions consult the safety data sheet of the product.

The technical data and instructions included in this technical leaflet are based on audits of confidential laboratories and result of the knowledge and experience of the company's scientific staff. The quality of the product is guaranteed by the company, which is aligned with the requirements of ISO 9001, 14001 and EMAS. As a producer, we are not responsible for any damage or damage caused if the product has not been used for proper application and in accordance with its instructions for use.

