

WATER PRIMER EPX

Water based epoxy impregnation primer

- ▷ **Two component, odorless**
- ▷ **Deep penetration**
- ▷ **Consolidates friable surfaces**
- ▷ **Enhances adhesion**
- ▷ **Provides high resistance to friction and mechanical stress**

Description

WATER PRIMER EPX is a two-component water-based epoxy primer with low viscosity, it can penetrate deep into the substrate. The impregnated surfaces become stable and durable with a significant resistance to abrasion and an increase in mechanical properties.

Certifications

Complies with Directive 2004/42 / EC for paints and varnishes product subcategory g/ Primers, type WB) with a maximum VOC content of less than 30 g/L.

Uses

WATER PRIMER EPX can be used such for:

- Primer for reinforcing concrete substrates and screeds
- For normal to high absorbent substrates
- Adhesive primer for smoothing and laying mortars
- Primer for novamix decorative coatings and epoxy floors

Technical Data

Product Identification

	Component A	Component B
Consistency	Liquid	Liquid
Color	White	Honey
Chemical base	Epoxy resin	Catalyst
Density	1.05 kg/L	1.01 kg/L

Application Data (+23°C % & 50% R.H.)

Mixing ratio	Part A : Part B \approx 2 : 1
Density of the mix	1.05 \pm 0.05 kg/L
Working time	1 hour \approx 30°C & 2 hours \approx 23°C & 2,5 hours \approx 10°C
Temperature application	from +10°C up to +30°C
Relative ambient humidity	80% maximum
Walkability	4 hours > 25°C & \approx 8 hours > 12°C
Full polymerization time	7 days at 23°C
Abrasion resistance	50mg Tabertest ASTM D 4060 (CS 10/1000/1000)
Adhesion	\geq 2,4 N/mm ²
Resistance to temperature change (dry charge)	from -30°C up to +80°C

Application Procedure

Substrate preparation

The surface to which WATER PRIMER EPX is to be applied, should be clean, dry and free from dust. The substrate must be insulated and not subject to rising moisture. The maximum permissible moisture content of the surface must not exceed 4%. The application surface temperature (caution not ambient temperature) should be between + 10°C and + 30°C.

Preparation of the mix

Before mixing, stir component A separately with a low speed electric mixer. Then add component B completely to component A. Mixing of the two components is done for about 2-3 minutes with an electric mixer at low speed. It is important to stir both the walls and the bottom of the container so that the catalyst goes everywhere evenly. Allow the mix to rest for a few minutes. The end of the workability is not recognized by the increase in viscosity, so it is necessary to apply the material within the specified time.

Application of the mix

Apply the mix in a continuous (non-interruptive) layer using a suitable varnish roller or brush. In any case, ensure that the material penetrates well in the treated surface. If necessary, apply a second coat. If it is to follow the application of cementitious products after the adhesive coating has dried, it is considered necessary to spray on the still wet surface quartz sand such as NOVAMIX S 500.

Recommendations

- Do not apply when the temperature is lower than +10°C and the relative humidity of the atmosphere exceeds 80%, or when there is a possibility of rain and wet weather
- Do not apply on substrates with rising moisture
- Apply an additional coat if more than 24 hours pass before coating
- The two components of WATER PRIMER EPX are in a premeasured proportion so never mix partially the two components
- The end of the workability is not recognized by the increase in viscosity, so it is necessary to apply the material within the specified time
- Do not apply WATER PRIMER EPX upon old varnishes and dusty or dirty surfaces.
- Always use appropriate and clean tools
- The application has to be performed by a professional user

Consumption

Consumption is 100 – 150 ml/m² for application in 1 coat.

Cleaning

Buckets, tools, coatings etc. can be cleaned with water as long as the mix is still fresh. Once dried cleaning can be done only by mechanical means.

Storage

WATER PRIMER EPX remains stable for at least 24 months in the original sealed packaging stored in dry a place and temperature between +5°C and +30°C.

Packaging

Plastic containers of (2+1) L

Safety Instructions

For information and instructions regarding disposal and safe handling, users should refer to the latest Safety Data Sheet of the product containing ecological, toxicological and other safety related data.

Legal Notes

The technical data and recommendations contained or listed in this leaflet are the result of laboratory measurements, of our current knowledge and experience. All the above-mentioned information and specifications should in any case be considered as indicative, as they may differ from each other. The Company makes every effort to ensure the accuracy of the information provided herein. Product specifications, prices and availability are subject to change without notice and may differ from those shown.

In practice, variations in materials, substrates and on-site implementation conditions are such that no warranty can be given or implied, as to the merchantability or suitability of the materials for a particular purpose and for the exact conditions of each project. Anyone interested of using the product must be sure beforehand that the product is suitable for the intended use and in any case, the user is solely responsible for any consequences due to the use of the product. Among other things, the Company is not responsible for any

normal wear or tear from environmental or other inappropriate conditions. We reserve the right to revise or change the data herein without prior notice.

Restrictions and disclaimers apply to the extent permitted by applicable law. The Company has a Technical Support Department, which is the only one responsible for providing technical advice and solutions to deal with problems. Requests to the Technical Support Department are addressed and answered, only in writing.

For the latest and a valid version of the Technical Data Sheet, the user of the material must refer to our website www.novamix.gr or directly to the QR Code of the product.



DOMOCHEMICAL S.A.
40 Papanikoli str.
Chalandri, 15232, Athens
T +30 210 68 93 953
F +30 210 68 94 571
novamix@novamix.gr