



TECHNICAL SHEET

EPOVAL 400 HS

HIGH SOLIDS EPOXY SYSTEM

FOR ANTI-HUMIDITY REHABILITATION
AND RECONSTRUCTION

DESCRIZIONE

Epoval 400 HS is a resinous bi-component system epoxy-based high solids and solvents free, specific for the clean-up and reconstruction of dusting screeds and for the realization of barriers anti humidity on porous and absorbent. Given its nature is extremely powerful not only for cement concrete toppings but also cement of low porosity materials such as marble, granite and ceramic coated surfaces. Recommended as a hardener for screeds (load distribution layer) mechanically weak, not up to standard, to obtain a compound with adequate mechanical resistance.

Specific treatment for waterproofing anti-wet substrates with low absorbency with more residual moisture of 3.5% measured with a carbide hygrometer.

TECHNICAL DATA

Aspect of the base resin (component A): oily transparent liquid.

Aspect of the hardener (component B): oily transparent liquid.

Ratio by weight of the mixture: 1:1 for 10 kg (5 kg component A + comp. B 5 kg = 10 kg of final product)

Density (A + B): 1.20 Kg / L

Pot Life: 60 min. at 25 °C

Foot traffic after bonding: 1 0/12 h at 25 °C

Drying time: at 23 °C 50% RH 24-36 hours

Application: by brush or roller application

Temperature: +10 °C to +28 °C

Dilution: thinner UG3 (max 5%)

INDICATIONS

1. Always check the subfloor humidity and the humidity of the floor to be bonded through the use of appropriate tools.
2. Before installation, acclimate **Epoval 400 HS** at a temperature between +10 °C and 28 °C.
3. Ventilate the area during application of the product.
4. After treatment with **Epoval 400 HS**, use an adhesive polyurethane or epoxy-silane.
5. Any preparations must be made exclusively reduced weight ratios of A + B 1:1.
6. Among the application of **Epoval 400 HS** and the parquet laying, we recommend an interval of time between 24h and 48h max.

For any questions covering any changes in operations, contact your technical service.

SURFACE PREPARATION

For proper penetration of the treated surfaces must be free of dust, loose particles, bodies or fatty substances, previous treatment with resins, paints or products incompatible with the epoxy resins.

PRODUCT PREPARATION

Pour the hardener (component B) in the base resin (Part A) and mix thoroughly the two components (5 Kg comp. B in 5 Kg comp. A). The product must be mixed for about 5 minutes, preferably with an electric mixer at low speed to avoid overheating (drill 250/500 revolutions per minute). To make more fluid the product add 5% of diluent UG3, continuing to mix to complete homogenisation.



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APPLICATION

Epoval 400 HS to the substrate with a brush or roller applied uniform and homogeneous. In the case of substrates with low absorbency is possible to apply the product having a dilution of 10% with diluent UG3

Treatment consolidating and waterproofing: to confer to the surface layer of the substrate an adequate vapor barrier and a good resistance to mechanical stress of the flooring cutlery and in particular of floors. Apply a first coat of **Epoval 400 HS** roller or brush operating so as to uniformly impregnate the surface after (6-8 hours), apply a second coat. The complete cycle involves a consumption ranging from 300 to 400 gr. per square meter on average and will be sufficient to give the compound healed excellent compactness and toughness. Let it harden 24 to 48 hours depending on the environmental conditions. For smooth or poorly absorbing substrates is recommended to sprinkle the surface with quartz powder (0 to 1.5 mm) during the application of the second coat.

AVERAGE COVERAGE WITH ROLLER APPLICATION

Approximately 100 to 200 g/m² hand (dusting and consolidating the surface).

Approx. 200 to 500 g/m² as an inhibitor of specific humidity and consolidation treatments in depth. (depending on the installation surface).

STORAGE

The product keeps the warranty in its original packaging (not altered) under standard conditions (15-35 °C and 35-70% RH) for a period of 12 months. It is important to keep the product in a dry and ventilated area away from heat and direct sunlight.

PACKAGE

PE bucket Kg.5 or 10 (component A)

PE bucket Kg.5 or 10 (component B)

NOTE

The information contained in this data sheet is based on our best knowledge and preparation.

However, this cannot be interpreted as a commitment to guarantee, since the means, place of employment and the application conditions are beyond our control. So we do not assume any liability for unauthorized use of the product as the advice given in this application is indicative. In the case where there is any doubt about the application, it is recommended to perform preliminary tests.

The company Viscol s.n.c. therefore reserves the right to change or update this sheet without notice.

Users of the product are advised to check that you have the latest update.

BEFORE USING THE PRODUCT ALWAYS CONSULT MATERIAL SAFETY DATA SHEETS.