

EPODUX VERNIS HD

Water based epoxy primer

DEFINITION

Concrete 's impregnation primer, two-component, colorless, water based.

INTENDED USES

Concrete
- inside tanks, ballasts containing drinking water or waste water.
- also suitable for fixing concrete floors in industry.

PROPERTIES

Without benzyl alcohol

Primary compatible with Biotank or EPODUR NV 75-25 systems and with any epoxy or polyurethane topcoat from the STRIASOL and JULIEN ANTICORROSION ranges.

Excellent adhesion on concrete

Easy to apply

Low odor

TECHNICAL DATAS

Dry film finish	: Glossy
Colour(s)	: Colorless
Number of components	: 2
Mixing ratio by weight	: 75/25
Mixing ratio by volume	: 75.7/24.3
Specific gravity	: 1,07 +/- 0,05 g/cm ³
Solids weight	: 50 +/- 2%
Solids volume	: 48 +/- 3%
Induction time at 20°C	: None
Pot life of mixing	: 40 minutes at 20°C 20-25 minutes at 30°C
Temperature of product for application	: between 15 and 30 °C
Theoretical spreading rate	: 0,20 kg/m ² for 100 µm secs
Practical spreading rate	: Function of support, conditions and application equipment
Dilution	: Water 0 à 10 %
Cleaning of equipments	: Water

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INSTRUCTIONS

Surface preparation

STEEL: After grease removal/cleaning operations, Scraping / Brushing Mini ST2, the performance of the coating will be improved by abrasive blast cleaning to Sa 2 1/2 (according to ISO 8501-1) with a "mid G" profile roughness according to ISO 8503-2 (Ra 10/13µm).

Concrete : In compliance with recommendations of DTU 59-3 concerning the preparation and quality of flooring before painting operations : dry , clean, free of all marks of pollution, no rising damp and showing sufficient roughness to enable the coating to adhere.

Internal Tanks and ballasts : Supports in compliance with the recommendations of the ITBTP Annals and the requirements of CCTG 74

Product preparation

Store at 20°C, 24 hours before application.

EPODUX VERNIS HD is provided as a 2 components kit, Base and Hardener, undivisible, which must be mixed thoroughly before application with a mechanical stirrer, at slow speed, in order to prevent the inclusion of air bubbles.

Number of coats : 1 to 2 according to the porosity of the support

INFORMATIONS

Applicable on	Concrete	Percolated as alt	Steel	Bituminous surface	Wood	Tiles
Previous coat	Itself,					
Next coat	STRIAFORM, BIOTANK IMPREGNANT, BIOTANK, EPODUR NV 75-25 IMPREGNANT , EPODUR NV 75-25, ect...(contact our technical department)					

USES

Function/Aspect	Product	Preparation of mixing	Spreading rate	Application equipment
Primer	EPODUX VERNIS HD	Base and Hardener	0,20-0,30 kg/m²	Roller 10-12 mm
Primaire sablé	EPODUX VERNIS HD	Base and Hardener	0,20-0,30 kg/m²	Roller 10-12 mm
	sprinkle filler	Quartz 0,1-0,3 mm	1,0 à 2.0 kg/m²	By hand

As the life of EPODUX VERNIS HD is limited, it is imperative to apply the mixture without delay

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APPLICATION CONDITIONS

Store at 20°C, 24 hours before application.

Ambient temperature : Minimum : 10°C / Maximum : 40°C

Ambient humidity : 85 % maximum

Substrate humidity : 4 % maximum

Substrate temperature : It should be at least 10 ° C and 3 ° C higher than the dew point to avoid condensation

For the complete hardening of the EPODUX VERNIS HD, the medium temperature of the substrate must not be lower than the minimum application temperature. The surface must be protected from water for at least 24 hours at 20 ° C after application, because the water could cause a bleaching of the layer of the EPODUX VERNIS HD and / or make it sticky, and could reduce the adhesion of the next layer.

DRYING / OVERCOATING TIME

Drying time and humidity < 80%		10°C	20°C	30°C
Dry		48 heures	24 heures	12 heures
Overcoating time	Minimum :	48 heures	24 heures	12 heures
	Maximum :	14 jours	7 jours	3* jours

*If the recovery time can not be respected, the sparkling of QUARTZ 57 on the EPODUX VERNIS HD fresh ensures the adhesion of the next layer

REPORTS

Certificate of conformity of the composition of EPODUX VERNIS HD with respect to the positive reference lists in force for contact with water intended for human consumption: CARSO

The composition of the primer complies with recommendations set forth in brochure 1227 of the JORF, and framework resolution ResAP (2004)1 passed by the Council of Europe and with regulation CE n°1935

MARQUAGE CE : EPODUX VERNIS HD meets the requirements of standard NF EN 1504-2 "Surface protection systems for concrete", principles 1, 2 and 8. Declaration of Performance (DoP) available on request.

DRINKABLE WATER : Sanitary Compliance Certificate (french regulation) : 19 MAT LY 249, 19 MAT LY 250, 19 MAT LY 251, 20 MAT LY 046, 20 MAT LY 047

REGULATORY SPECIFICATIONS

AFNOR classification : Classement AFNOR NFT 36 005 Famille I Classe 6b

VOC (directive 2004/42/CE) : EU limit value for this product (A/j) : 500 g/l (2010).

Ce produit contient au maximum 5 g/l de COV

HEALTH AND SAFETY

Flash point : Non concerné

Use precautions, labelling, transport : Refer to safety data sheet established according to European Directives

Shelf life : 2 years in full and closed original packaging. Store in a cool, ventilated area away from the weather.

PACKAGING

KIT	BASE	HARDENER
4 kg	3.0 kg	1.0 kg
8 kg	6.0 kg	2.0 kg