

PROTECTHAN HYDRO



Safety sheet no. 461
 Technical sheet no. 461
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ALL-SUBSTRATE LOW-CARBON ANTI-CORROSION UNIVERSAL URETHANE PAINT IN THE AQUEOUS PHASE – 2 IN 1: PRIMER + FINISH - FOR VERY METICULOUS WORK



Key Features:

- ⇒ 2 in 1: Primer + finish
- ⇒ **Low Carbon footprint**
- ⇒ Comes in mat, satin and gloss
- ⇒ Excellent smoothing
- ⇒ High opacity: reduction in the number of coats required and saves time
- ⇒ Treatment of rusty surfaces thanks to its anti-corrosion principle
- ⇒ Applied on metal (perfect hold on metal that has expansion constraints thanks to its great flexibility), wood and masonry
- ⇒ Bio-based binder formula
- ⇒ Food grade
- ⇒ Odourless
- ⇒ Water-thinnable

Environment	Sanitary	Performance	Cleaning	Equipment	Destination	Colours	Consumption
 		 					 9 to 11 m ² /L

Area of application

PROTECTHAN HYDRO is a high-performance, anti-corrosion, high solids, bio-based urethane plant oil paint for all substrates, 2 in 1. Environmentally friendly, **PROTECTHAN HYDRO** is directly applied on metal including rust, but also on many types of wood and masonry. Its bio-based urethane enriched formula provides very high resistance indoors as well as outdoors, to mechanical, chemical and UV aggressions. Its great flexibility ensures perfect smoothing on substrates that have expansion constraints. Its high covering power, its excellent smoothing, with a brush as well as with a gun ensures a very meticulous finish.

PROTECTHAN HYDRO comes in white, black and a tinting base.

For all other substrates: ask Cimentol Paints for advice on info@cimentol.fr

Procedure

1. Preparation of the background

PROTECTHAN HYDRO is applied on sound, dry, clean and coherent substrates after dust removal and degreasing. See the preparation table for metals.

2. Use of PROTECTHAN HYDRO

PROTECTHAN HYDRO is ready to use for application with a brush, roller or gun.

For application with a pneumatic gun, or better smoothing, dilute to about 5 to 10% with PROTECTHAN DILUENT%.
Stir well before use

3. Advice for applying PROTECTHAN HYDRO on metal

BACKGROUNDS TO BE PAINTED	PREPARATION OF THE BACKGROUND	PRINT	FINISH
Ferrous and new metals (iron and steel)	Dust removal Degreasing	A coat of PROTECTHAN HYDRO diluted to 5% as a primer	Two coats of PROTECTHAN HYDRO
Oxidised ferrous metals	Complete stripping with KARAX deruster Dust removal	A coat of PROTECTHAN HYDRO diluted to 5% as a primer	Two coats of PROTECTHAN HYDRO
Non-ferrous metals	Elimination and passivation of the metal with PASSIVATOR	A coat of PROTECTHAN HYDRO diluted to 5% as a primer	Two coats of PROTECTHAN HYDRO
Deteriorated ferrous metals	Sanding, leaching	A coat of PROTECTHAN HYDRO diluted to 5% as a primer	Two coats of PROTECTHAN HYDRO
Pre-lacquered steels	Roughening of the substrate and dust removal	A coat of PROTECTHAN HYDRO diluted to 5% as a primer	Two coats of PROTECTHAN HYDRO

Technical data

Aspects	Mat, Satin and Gloss					
Colour	White, black and neutral base					
Gloss level	Matt at 20°		Satin at 60°		Gloss at 85°	
	3		25		65	
Main component	Modified urethane in aqueous phase containing 53% bio-based carbon (NF EN 16640)					
Packaging	1L – 3 L – 10L					
Consumption	9 to 11 m ² /L according to aspect					
Destination	All substrates indoors and outdoors					
Humid abrasion classification	Class 1 according to DIN EN 13300					
Density (+ - 0.03)	Matt		Satin		Gloss	
	White and black	Neutral base	White and black	Neutral base	White and black	Neutral base
	1.5 and 1.45	1.34	1.23 / 1.20	1.1	1.19	1.06
Dry matter % (+ - 1)			Matt		Gloss	
	Weight		61		44	
	Volume		41		34	
Drying time	Dust free: 30 minutes Handling: 2 to 3 hours Coatable: 4 hours					
Ambient working temperature	Min. > 5 °C (if lower, no drying) max. < 30°C Relative humidity < 80%					
Application equipment	Brush, short-nap roller, airless gun					
Cleaning of the equipment	Water					
Dilution	Water					
Storage	Keep from freezing					
Classification	AFNOR, family 1 class 4a					
Food grade	IANESCO E22-40462					
Environmental label	Eligible for ECOLABEL requirements for the formulation part in performance					
% by weight of bio-based carbon according to EN16640 + natural and mineral raw materials	Matt		Satin		Gloss	
	74 (+ -2)		81 (+ -2)		83 (+-2)	
Carbon 14 level	Meets the ATSM D6866 test methods which allow a product to be analysed and determine the bio-based content with carbon-14 dating (CIRAM Lab)					
Emission into indoor air	A+					
CMR	No carcinogenic, mutagenic and reproductive toxin compounds, class 1 and 2 (in accordance with the order of 30/04/2009)					
Excell Label	Green Zone – Certificate No. 223-69693a					
Salt spray test	In progress					
VOC level	Limit value in UE (cat. A/i:140 g/L (2010) / 14gr/L). This product contains at most 20g/L VOC.					
Safety data sheet	Available by fax or Internet on www.cimentol.fr					

Precautions for use

- Safety/hygiene: flammable ; keep out of the reach of children.
- Comply with the instructions on the labels and safety sheets.

Observations

DTU 59.1 "Paintwork" defines the professional rules for preparing substrates.

It is the responsibility of the applicator to ensure compliance with these rules, because they are engaging their liability.

For professional use only
