

PROTECTHAN

CIMENTOL

ALL-SUBSTRATE HIGH-PERFORMANCE ANTI-CORROSION UNIVERSAL POLYURETHANE PAINT

Safety sheet no. 455
 Technical sheet no. 455
 Version: October 2023



Key Features:

- ⇒ **2 in 1: Primer + finish**
- ⇒ **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
- ⇒ **Food grade**
- ⇒ Drying at low temperature
- ⇒ **Highly resistant to UV rays, inclement weather and salt spray**

Environment	Sanitary	Performance	Cleaning	Equipment	Destination	Colours	Consumption
		 					 8 to 10 m ² /L

Area of application

PROTECTHAN is a high-performance anti-corrosion polyurethane paint-lacquer (high resistance for protecting and decorating frameworks and cladding, as well as ferrous and non-ferrous metals, guardrails, frameworks, frames, boilerwork, bodywork, etc.), wood, all conventional substrates in construction (windowsill).

PROTECTHAN dries quickly, and can be applied indoors and outdoors, as a primer and a finish.
 It can be washed.

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

Procedure

1. Preparation of the background

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

2. Use of PROTECTHAN

PROTECTHAN 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**.

3. Advice for applying PROTECTHAN 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 diluted to 5% white-spirit as a primer	Two coats of PROTECTHAN
Oxidised ferrous metals	Complete stripping with KARAX deruster Dust removal	A coat of PROTECTHAN diluted to 5% white-spirit as a primer	Two coats of PROTECTHAN
Non-ferrous metals	Elimination and passivation of the metal with PASSIVATOR	A coat of PROTECTHAN diluted to 5% white-spirit as a primer	Two coats of PROTECTHAN
Deteriorated ferrous metals	Sanding, leaching	A coat of PROTECTHAN diluted to 5% white-spirit as a primer	Two coats of PROTECTHAN
Pre-lacquered steels	Roughening of the substrate and dust removal	A coat of PROTECTHAN diluted to 5% white-spirit as a primer	Two coats of PROTECTHAN

Technical data

Aspects	Mat, Satin and Gloss		
Gloss level	Matt	Satin	Gloss
	5 to 60°	32 to 60°	93 to 60°
Colour	White, black and tinting bases (semi-white and neutral base)		
Main component	Modified polyurethane		
Packaging	1L – 3 L – 10L		
Consumption	8 to 10 m ² /L		
Destination	All substrates indoors and outdoors		
Density	Matt	Satin	Gloss
	1.30		
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%		
Resistance to abrasion	Very good		
Resistance to chemical aggression	Excellent		
Application equipment	Brush, short-nap roller, airless gun		
Cleaning of the equipment	White spirit		
Dilution	Protecthan Diluent		
Storage	Keep from freezing and away from high temperatures		
Classification	AFNOR, family 1 class 4A		
Food grade	Report No. E19-33962		
Salt spray test	1000 hours – according to standard DIN EN ISO 9227 or ATSM B 117 CASS version (cupro-acetic salt spray) – Test conducted by SYNTHOPOL Chemie		
VOC level	Category (S/i) Limit value in UE 2010 is 300gr/L This product contains 290gr/L		
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.
- Check the compatibility of the colouring agents used with UV rays. Use colouring agents in solvent phase or universal miscible in solvent phases. Warning: for façade tinting, choosing certain tints (dark tints in particular) can result in premature degradation of the tint and of the paint film. *Ask us.*
- Do not apply outdoors if there is excessive humidity during drying. Causes longer drying and an alteration in the protection of the film against UV rays, and even carbonisation for some colouring agents.

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
