

PRODUCT INFORMATION

COROPUR COVER RAL...

Moisture curing polyurethane cover coating

General Properties

COROPUR COVER RAL is a **lightfast, weather-resistant and chemicals-resistant** moisture-cured final coating based on a polyurethane resin. Moreover the satin gloss variant also complies with the requirements of the DVGW worksheet W 270* (test report: W-182583-09-SI) for use in potable water systems and is homologated by the Federal Office of Public Health FOPH.

* Hygiene Institute of the Ruhrgebiet, D-Gelsenkirchen

Product Description

Binding Agent: Moisture hardening aliphatic polyisocyanate
Pigments: Organic- and inorganic pigments
Solvent: Ester and aromatic hydrocarbons

Fields of Application

- Bridges
- Masts
- Cranes
- Steel constructions
- Pipes
- Offshore plant engineering

Surface Pre-Treatment

1. Removal of all contamination before sand blasting:
 - Remove oil and grease residues by solvent or emulsifying agent solution
 - Remove salt residues by brush or by steam vapour
2. Mechanical roughening, preparation by sand blasting desirable up to degree Sa 2 "
3. Primer: **COROPUR Zink M** or **COROPUR PI**

Packing Units

The products are supplied in the following standard package sizes: 1.2 kg / 6 kg / 12 kg net

Storage

6 months in unopened original can under cool and dry storing conditions. Cover product in opened cans with **THINNER A-851** or **T-1900** and close tightly.

If the storage time is exceeded, the materials must be tested before use. Higher storage and transport temperatures will reduce the shelf life. The containers must be kept tightly closed. Liquid products must be stored frost-proof.

Safety Measures

The material safety data sheets of the individual components as well as the legal requirements for handling hazardous materials must be observed.

APPLICATION

Application Notes	Value		
Coating Suggestion	1 x 60 µm COROPUR ZINK M 1 x 60 µm COROPUR FERRO 1 x 60 µm COROPUR COVER RAL ...		
Application Method	Brushing, Rolling, air- and airless-spraying		
Application Conditions	Relative Air Humidity:	30 - 98 %	
	Object Temperature:	-5 °C (ice-free) up to +30 °C	
Layer Thickness	40 - 60 µm DFT		
Viscosity	120 DIN 4 600 - 900 mPas (Brush Viscosity)		
Air Spray	Pressure	Nozzle	Thinner
	3 - 4 bar	0.8 – 1.2 mm	3 - 5 %
Airless Spray	Pressure	Nozzle	Thinner
	180 bar	0.16 – 0.22 mm	0 - 3 %
Material Consumption	COROPUR COVER RAL ... 40 µm DFT		
	Theoretical	Practical	
	92 g/m ₂	195 g/m ₂	
Thinner	Roller Application:	THINNER A-851	
	Spray Application:	THINNER T-1900	
	Quantity of admixture of thinners depends on ambient temperature and type of processing		
Curing Time	At 20°C, 40 µm DFT		
	Dust dry after:	approx. 50 minutes	
	Fast to handling:	approx. 3 hours	
	Dry to touch after:	approx. 5 hours	
	Full stress after:	approx. 24 - 30 hours	
Cleaning	THINNER A-851 or THINNER T-1900		

Technical Indicators

Technical Data	Value
Density	1.29 g/cm ³ , depending on the colour
Solid Content	71 % Weight Solids 60 % Volume Solids
Temperature Resistance	+120 °C (dry) / +90 °C (wet)
Flash Point	+39 °C
V.O.C.	370 g/l
Colour	RAL
UN-No.	1263
RID/ADR/SDR No.	No product of hazardous class 3
Date	December 2010 / CT

Note:

Stir the material well but gently before use. It is essential to avoid entrapped air bubbles (and the entry of moisture with the allow)! Where necessary deaerate well before use (no visible air bubbles!). Dry-film thicknesses of more than 100 µm per coating are to be avoided because reaction bubbles may develop from this thickness onward. Surfaces coated with COROPUR may be recoated without mechanical