

PRODUCT INFORMATION

COROPUR COVER RAL ...

moisture curing polyurethane cover coating for high UV protection
- Approved for potable water tanks & pipelines according KTW -

Product Description	Coropur Cover RAL is a one-component, moisture curing polyurethane-cover coating with excellent resistance to UV rays and weather as well as to numerous chemicals.
Binding Agent	Aliphatic, moisture hardening polyisocyanate
Pigments	Organic- and anorganic pigments
Solvents	Ester and aromatic hydrocarbons
Fields of Application	Bridges, masts, cranes, steel constructions, pipes, Offshore-plant engineering
Surface Preparation	<ol style="list-style-type: none"> 1. Removal of contaminations: <ul style="list-style-type: none"> - Remove oil and grease residues with solvent or emulsifying agent solution. - Remove all salt residues by brush or steam vapour 2. Mechanical roughening, preparation by sand blasting desirable up to degree Sa 2 ½ 3. Primer <ul style="list-style-type: none"> - Coropur Zinc M - Coropur PI 4. Intermediate coating with - Coropur Ferro
Coating Recommendation	1 x 60 µm Coropur Zinc M 1 x 60 µm Coropur Ferro 1 x 60 µm Coropur Cover RAL...
Application Methods	Brush-, roller-, air- and airless-spray application
NOTE FOR POTABLE WATER!	<p>In case of application in the field of potable water or food the pre-treatment recommendations in the testing certificate acc. to KTW of 16.08.1991 have to be observed. Procedure required:</p> <ol style="list-style-type: none"> 1. Fill container with water and heat 3 x ½ hours at 80°C. 2. Refill container with water after every process. <p>Probe testing. If probes positive other containers to be prepared accordingly.</p>
Application Conditions	Relative air humidity 30 - 98 % Object temperature - 5°C (ice-free) up to + 50°C. Low temperatures slow down hardening and require better care for even application.
NOTE !	Stir material before processing and deaerate (no visible air bubbles)

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Layer Thicknesses	40 µm - 60 µm DFT		
Viscosity	120 DIN 4 600 – 900 mPas (Brushing Viscosity)		
Thinner	Thinner A-851 Roller Application Thinner T 1900 Spray Quantity of admixture of thinners depends on ambient temperature and type of processing.		
Air Spray	Nozzle 0,8 - 1,2 mm Pressure 3 - 4 bar Thinner 3 - 5 %		
Airless Spray	Nozzle 0,16-0,22 mm Pressure 180 bar Thinner 0 - 3 %		
Equipment Cleaning	Thinner A-851 or Thinner T 1900		
Curing Time	at 20°C, 50 µm DFT dust dry after 1 hour stick free after 3 hours dry to touch after 5 hours handling after 24 - 30 hours Considerably faster curing at high humid & warmer conditions.		
Temperature Resistance	150°C (dry); 90°C (wet)		
Shelf Life	12 months in unopened original can under cool and dry storing conditions. Cover opened cans with thinner A-851 or T 1900 and close tightly.		
Density	1,2 – 1,5 g/cm ³ , depending on the colour		
Solids Content	70 - 76 % weight 54 - 62 % volume		
Material Consumption	Coropur Cover RAL... 60 µm DFT	Theoretical 150 g/m ²	Practical 300 g/m ²
Can Sizes	1,2 / 6 / 12 kgs net		
Colour	according to RAL colour code table		
V.O.C.	ca. 370 g/l		
UN.No.	1263		
RID/ADR/SDR Numbers	No product of class 3		
Flash Point	+ 39°C		
Date	April 2003 / UW		

Please pass this data sheet to the person in charge of coating application. Above data and recommendations are based on extensive tests and are to be considered only as guidelines without any obligations. As we are continuously developing and improving our products we recommend to consider the date of this data sheet and, if necessary, to ask if there were changes in the meantime. In case of further questions please contact one of our technical advisors for detailed information at:

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