

PRODUCT INFORMATION

COROPUR TAR 21

moisture curing polyurethane cover coating for highest corrosion protection
- fast hardening by addition of **activator A 873** -

Product Description

Coropur TAR 21 is a moisture hardening polyurethane in combination with tar and iron glimmer. This product is highly suitable for the long-term corrosion protection of all steel surfaces. Coropur TAR is highly resistant to abrasion, chemically resistant with very low water and water permeability.

Binding Agent

Moisture hardening polyisocyanate and synthetic tar. ('Synthetic tar' is – different from 'coal tar' – permitted in environmentally sensible regions)

Pigments

Iron ore oxides (MIO) and filling materials

Solvent

Aromatic hydrocarbons

Fields of Application

Coropur TAR is particularly suitable for underground and submerged applications, as locks, channels, sewage treatment plants, gutters, waste pipes etc. **PH 5 - 10**

Additive Activator

15 weight parts Coropur Tar 21 : 1 part Activator A-873

Surface Preparation

1. Removal of contamination before sand blasting:
 - Remove oil and grease residues by solvent or emulsifying agent solution.
 - Remove salt residues by brush or steam vapour.
2. Mechanical roughening, preparation by sand blasting desirable up to degree Sa 2 ½
3. Primer Coropur Zinc M
 Coropur PI

Coating Suggestion

1 x 60 µm Coropur Zinc M
2 x 150 µm Coropur Tar 21

Application Methods

Brush-, roller-, air- and airless-spray application. In case of brushing and rolling a scrape-off sand is necessary to ensure even coating thickness.

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.

Layer Thickness

80 µm - 500 µm DFT

Viscosity

200 DIN 6
2500 – 3000 mPas (Brushing Viscosity)

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<u>Thinner</u>	Thinner A-851 Rolling Thinner T 1900 Spraying Quantity of admixture of thinners depends on ambient temperature and type of processing.									
<u>Air Spray</u>	Pressure 3 - 4 bar Nozzle 1,5 - 2,0 mm Thinner 10 - 20 %									
<u>Airless Spray</u>	Pressure 150 - 200 bar Nozzle 0,42 - 0,53 mm Thinner 0-5 %									
<u>Equipment Cleaning</u>	Thinner A-851 or Thinner T 1900									
<u>Curing Time</u>	at 20°C, 150 µm DFT dust dry after 15 minutes fast to handling after 35 minutes overcoat/stress after 2.5 hours									
<u>Temperature Resistance</u>	+ 80°C; short-term 100°C (dry) Temperature gradient max. 70°C									
<u>Shelf Life</u>	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.									
<u>Density</u>	1,90 g/cm ³									
<u>Solids</u>	90 % weight 80 % volume									
<u>Material Consumption</u>	<table><thead><tr><th>Coropur TAR 21</th><th>Theoretical</th><th>Practical</th></tr></thead><tbody><tr><td>At 150 µm DFT</td><td>356 g/m²</td><td>712 g/m²</td></tr><tr><td>At 400 µm DFT</td><td>948 g/m²</td><td>1.896 g/m²</td></tr></tbody></table>	Coropur TAR 21	Theoretical	Practical	At 150 µm DFT	356 g/m ²	712 g/m ²	At 400 µm DFT	948 g/m ²	1.896 g/m ²
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At 150 µm DFT	356 g/m ²	712 g/m ²								
At 400 µm DFT	948 g/m ²	1.896 g/m ²								
<u>Can Sizes</u>	12 kgs + Activator A-873 0,8 kg = 12,8 kgs									
<u>Colour</u>	black									
<u>V.O.C.</u>	176 g/l									
<u>UN-No.</u>	1263									
<u>RID/ADR/SDR Numbers</u>	No product of class 3									
<u>Flash Point</u>	+ 30°C									
<u>Date</u>	October 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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