

PRODUCT INFORMATION

COROPUR NON-ABRASIVE WITH ACTIVATOR A-1949

moisture curing PU cover coating for corrosion & abrasion protection

Product Description	Coropur Non-Abrasive is a moisture hardening polyurethane coating. This product is especially suitable for the long-term corrosion protection of all steel surfaces. Coropur Non-Abrasive is highly resistant against abrasion, chemical influence enabling extremely low permeation of water and water vapour diffusion.
Binding Agent	Moisture hardening polyisocyanate
Pigments	Anorganic and organic pigments
Solvent	Aromatic hydrocarbons
Fields of Application	High pressure pipes, sewage treatment plants, plant construction, locks, particularly in submarine areas, as well as in ship building. Coropur Non-Abrasive coating can be applied in industrial environments and sea climate, as well as for underground and submerged constructions. Coropur Non-Abrasive is suitable for application of thick layers up to 400 my, also on vertical surfaces.
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 solutions. - Remove salt residues with a brush or by steam vapor 2. Mechanical roughening, preparation by sand blasting is desirable up to degree Sa 2 ½ 3. Primer - Coropur Zinc M
Coating Recommendations	1 x 60 µm Coropur Zinc M 2 x 150 µm Coropur Non-Abrasive
Application Methods	Brush-, roller-, air- and airless-spray application
Application Conditions	Relative air humidity 30 - 98 % Object temperature - 5°C (ice-free) up to + 50°C.
Layer Thickness	150 µm – 400 µm depending on stress: 250 µm - 1000 µm
Viscosity	200 DIN 6, 2.500 – 3.500 mPas (Brushing Viscosity)
Thinner	Thinner A-851 Roller Application Thinner T-1900 Spray Application Quantity of admixture of thinners depends on ambient temperature and type of processing.
Air Spray	Pressure 5 bar Nozzle 2,4–3,2 mm Thinner 10-15 %

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Airless Spray	Pressure 150-200 bar Nozzle 0,43-0,58 mm Thinner 0-5 % T 1900									
Equipment Cleaning	Thinner A-851 or Thinner T-1900									
Curing Time	at 20°C and 150 µm DFT dust dry after 1 hour fast to handling after 5 hours overcoatable after 5 hours stressable after 6 hours Considerably faster curing at high humid & warmer conditions.									
Temperature Resistance	+ 140°C (dry)									
Shelf Life	6 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	1,30 g/cm ³									
Solids Content	84 % weight solids 75 % volume solids									
Material Consumption	<table><thead><tr><th><u>Coropur Non Abrasive</u></th><th><u>Theoretical</u></th><th><u>Practical (Spray)</u></th></tr></thead><tbody><tr><td>150 µm</td><td>260 g/m²</td><td>520 g/m²</td></tr><tr><td>400 µm</td><td>700 g/m²</td><td>1400 g/m²</td></tr></tbody></table>	<u>Coropur Non Abrasive</u>	<u>Theoretical</u>	<u>Practical (Spray)</u>	150 µm	260 g/m ²	520 g/m ²	400 µm	700 g/m ²	1400 g/m ²
<u>Coropur Non Abrasive</u>	<u>Theoretical</u>	<u>Practical (Spray)</u>								
150 µm	260 g/m ²	520 g/m ²								
400 µm	700 g/m ²	1400 g/m ²								
Can Sizes	10 kg + 1 kg Activator A-1949 = 11 kgs net									
Colour	grey, black (special colours possible for projects on request)									
V.O.C.	216 g/l									
UN-No.	1263									
RID/ADR/SDR Numbers	No product of class 3									
Flash Point	+ 37°C									
Date	April 2003 / EH									

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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