

PRODUCT INFORMATION

COROPUR ALU

moisture hardening polyurethane –cover coating, temperature resistant up to 160°C

- Product Description:** Coropur Alu is a single-component, moisture hardening polyurethane-cover coating with an excellent resistance to weather and corrosion, particularly in the maritime sector. Temperature resistant up to 160°C. In case of tank linings Coropur Alu contributes to ensure a lowest possible temperature inside the tank by means of reflection of the aluminium pigmentation.
- Binding Agent:** moisture hardening, aromatic polyisocyanate
- Pigmente:** Aluminium
- Solvents:** Aromatic hydrocarbons
- Fields of Application:** gas containers, tanks, pipelines, mast constructions, seaside constructions etc.
- Surface pre-treatment:**
1. Removal of contaminations:
 - 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 Zink M
 - Coropur PI
- Coating Recommendations:**
- 1 x 60 µm Coropur Zink M
 - 1 x 60 µm Coropur Ferro
 - 1 x 60 µm Coropur Alu
- 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 Thicknesses:** 40 µm - 80 µm TSD
- Viscosities:** 80 DIN 4
 400 – 600 mPas (Brushing Viscosity)
- Thinner:** Thinner A-851 Rolling
 Thinner T 1900 Spraying
 Quantity of admixture of thinners depends on ambient temperature and type of processing.
- Air Spraying:** Pressure: 3 - 4 bar Nozzle: 1,5 - 2,0 mm Thinner: 10 -15 %
- Airless Spraying:** Pressure: 120 - 150 bar, Nozzle: 0,4 - 0,5 mm Thinner: 0 - 5 %

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Cleaning of equipment: Thinner A-851 or Thinner T 1900

Drying: at 20°C 60 µm TSD
dust dry after: 20 - 30 minutes
fast to handling after: 50 minutes
overcoatable after: 1 hour
stressable after: 8 hours

Corrosion Protection Tests: 2500 hours salt spray test acc. to DIN 53167
2500 hours humid chamber test acc. to DIN 50017
5000 hours dipping into ventilated sea water
5000 hours alternating tests 14 days salt spray test
14 days dipping into sea water
1 x 60 µm Coropur Zink M
1 x 120 µm Coropur Ferro
1 x 80 µm Coropur Alu

Temperature Resistance: + 160°C(dry)

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: 1,08 g/cm³

Solids: 55 % weight
45 % volume

Material Consumption: **Coropur Alu** **Theoretically:** **Practically:**
80 µm TSD: 195 g/m² 390 g/m²

Available in cans of: 1 / 5,5 kg net

Colour: silver

V.O.C.: 465 g/l

UN-No.: 1263

RID/ADR/SDR Numbers: Kl. 3 No. 31c

Flash Point: + 41°C

Date: March 2004 / 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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