PRODUCT INFORMATION

COROPUR INSULATING PRIMER

moisture curing polyurethane primer for overcoating of solid old paint

Product Description

Coropur adhesion and insulating primer is a single-component, moisture-hardening primer with aluminium pigments. This primer is used as insulating bonding agent for the renovation of old corrosion protection coatings and surfaces where abrasive blasting is not possible for environmental and/or economical reasons.

Binding Agent

Aromatic polyisocyanate

Pigments

Aluminium, talc

Solvent

Aromatic hydrocarbons

Fields of Application

1. Sealing and compacting of old coatings based on various resins such as epoxy resins, chlorinated rubber, alkydes, resin acrylates, bitumen acrylates, oil acrylates, PVC acrylates, polyurethane etc.
Attention: In case of old coatings prior adhesion and holiday detection tests are highly recommended.

2. For manual derusted steel surfaces with residual rust.

3. Temporary corrosion protection.

Surface Preparation

Loose, non adhering paint has to be removed. Thick layers of rust and rust nests must be removed mechanically by spot blast or – in case blasting is not possible – by grinding, hydropressure or wire brush. A regular roughness profile for better adhesion of Coropur Insulating Primer has to be assured.

Coating Suggestion

The following intermediates or cover coatings are suitable for Coropur Insulating Primer:

- Coropur TAR
- Coropur TAR 21
- Coropur Ferro
- Coropur Cover Ral…
- Coropur Alu
- Coropur Non Abrasiv

Application Methods

Brush, roller or airless spray

Layer Thickness

40 µm - 70 µm per layer

Viscosity

40 DIN 4, 500 – 600 mPas

Thinner

Thinner A-851 Rolling. Quantity of admixture of thinners depends on ambient temperature and type of processing

Equipment Cleaning

Thinner A-851 or Thinner T-1900

Curing Time	at 20℃ 40 µm DFT: fast to handling after 90 minutes overcoating after 6 hours (by all moisture hardening Coropur systems) Considerably faster curing at high humid & warmer conditions.
Temperature Resistance	+ 140℃ (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	1,1 g/cm³
Solids	83 % weight 79 % volume

Material Consumption	**Theoretical**	**Practical**
At 40 µm DFT	55 g/m²	110 g/m²

Available in Cans of	5,5 or 11 kgs net
Colour	silver light
V.O.C.	177 g/l
UN-No.	1263
RID/ADR/SDR/ Numbers	3/31 c
Flash Point	+ 45°C
Date	November 2004 / UW / CT

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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