

PRODUCT INFORMATION

CORO SILICO ALU

High temperatures resistant cover coating up to 600°C

General Properties

CORO SILICO ALU is a single-component, silicone-aluminium-cover coating with good atmospheric resistance and a temperature resistance up to 600°C.

Product Description

Binding Agent: Silicone resin
Pigments: Aluminium
Solvent: Aromatic Hydrocarbons

Fields of Application

- Steel chimneys
- Filter plants
- Garbage incinerating plants
- Refineries
- Power plants

Surface Pre-Treatment

1. Removal of all contamination before sand blasting:
 - Remove oil and grease residues by solvent or emulsifying agent solution
 - Remove salt residues by brush or by steam vapour
2. Sand blasting, depending on the requirements, up to grade Sa 2 " (standard grade Sa 3 in under-water areas, high-pressure pipelines and welded edge zones)
3. Primer with **CORO SILICO ZINK ME II**

Packing Units

The products are supplied in the following standard package sizes: 5 kg net

Storage

6 months in unopened original can under cool and dry storing conditions. Cover product in opened cans with **THINNER A-851** or **T-1900** and close tightly.

If the storage time is exceeded, the materials must be tested before use. Higher storage and transport temperatures will reduce the shelf life. The containers must be kept tightly closed. Liquid products must be stored frost-proof.

Safety Measures

The material safety data sheets of the individual components as well as the legal requirements for handling hazardous materials must be observed.

Application

Application Notes	Value		
Application Method	Brushing, Rolling, air- and airless-spraying		
Processing Temperature	> 10°C (Observe dew point!)		
Layer Thickness	Max. 20 µm DFT		
Viscosity	40 - 60 DIN 4 (Brush Viscosity) 140 - 200 mPas		
Air Spray	Pressure	Nozzle	Thinner
	3 - 4 bar	1.0 – 1.2 mm	10 – 15 % T-1900
Airless Spray	Pressure	Nozzle	Thinner
	180 bar	0.2 – 0.3 mm	0 – 5 % T-1900
Material Consumption	COROPUR ZINK M 30 µm DFT		
	Theoretical	Practical (Spray)	
	87 g/m _l	182 g/m _l	
Thinner	Roller Application:	THINNER A-851	
	Spray Application:	THINNER T-1900	
	Quantity of admixture of thinners depends on ambient temperature and type of processing		
Curing Time	At 20°C, 60 µm DFT		
	Dust dry after:	20 - 25 minutes	
	Dry to touch after:	30 minutes	
	Fully stressable:	40 minutes (after heating up to 240 °C)	
	Dry to handle after:	24 hours	
Cleaning	THINNER A-851 or THINNER T-1900		

Technical Indicators

Technical Data	Value
Density	1.18 g/cm ³
Solid Content	54 % Weight Solids 48 % Volume Solids
Temperature Resistance	+600 °C
Flash Point	+24 °C
V.O.C.	504 g/l
Colour	Grey
UN-No.	1263
RID/ADR/SDR No.	3/31c
Date	January 2010 / CT