

## PRODUCT INFORMATION

### ***CORO SILICO FERRO***

High temperature resistant coating up to 600°C

#### **General Properties**

***CORO SILICO FERRO*** is a single-component, silicone-iron filling cover coating with good atmospheric resistance and temperature resistant up to 600°C.

#### **Product Description**

Binding Agent: Silicone resin  
Pigments: Aluminium iron fillings  
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 underwater 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: 8 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	40 - 60 µm DFT; as topcoat 30 - 40 µm DFT		
Viscosity	40 - 60 DIN 4 (Brush Viscosity) 800 - 1000 mPas		
Air Spray	Pressure	Nozzle	Thinner
	3 - 4 bar	1.0 – 1.2 mm	10 – 15 % <b>T-1900</b>
Airless Spray	Pressure	Nozzle	Thinner
	180 bar	0.2 – 0.3 mm	0 – 5 % <b>T-1900</b>
Material Consumption	<b>CORO SILICO FERRO</b> 30 µm DFT		
	Theoretical	Practical (Spray)	
	81 g/m <sub>2</sub>	171 g/m <sub>2</sub>	
Thinner	Roller Application:	<b>THINNER A-851</b>	
	Spray Application:	<b>THINNER T-1900</b>	
	Quantity of admixture of thinners depends on ambient temperature and type of processing		
Curing Time	At 20°C, 120 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	<b>THINNER A-851</b> or <b>THINNER T-1900</b>		

### Technical Indicators

Technical Data	Value
Density	1.60 g/cm <sup>3</sup>
Solid Content	76 % Weight Solids 51 % Volume Solids
Temperature Resistance	+600 °C
Flash Point	+24 °C
V.O.C.	440 g/l
Colour	Grey
UN-No.	1263
RID/ADR/SDR No.	3/31c
Date	January 2010 / CT