CHING-1C-kettle-insinde-coating
RD 124 R K

Intended use

fast drying, 1C kettle-inside-coating for steel, with revised overspray absorbtion during spraying application.

Application

wavewall- und distributiontransformators, etc.

General information

	Color shades	white				
	Gloss	mat				
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-Thinner RD 01 if necessary.				
	Spraying	**Viscosity** [DIN 4]	**Thinner** [%]	**Nozzle** [mm]	**Pressure** [bar]	
	Cup gun	30 - 50 s	≤ 30	1,5 - 2,5	4 - 5	
	Airless (Airmix)	80 - 100	≤ 10	0,31 - 0,45	140 - 200	
	Brush application	Delivery form				
	Roller application	n.a.				
	Flow application	n.a.				
	Substrate preparation	according to DIN EN ISO 12944-4 Steel: blasted Sa 2½, surface roughness should be “medium (G)“ according to ISO 8503-1. Other surfaces: clean, dry, free of dust, rust, oil and grease and free from other adhesion reducing substances (e.g. corrosion products).				
	Drying time[1]	**Temperature**	**Dust-dry**	**Grip resistant**	**Mech. resilient**	**Recoatable**[2]
	at 20 µm	NC 23/50	30 min	1 h	2 h	-

1 Based on delivery viscosity! Humidity has a decisive influence on drying!
2 with itself (not normally required for top and final coats, except possibly for minimum coat thicknesses)

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Viscosity delivery form	50 - 70 DIN-4-seconds

Other values

Density [g/cm³]	Solids [Weight. %]	Solid volume [%]	Solid volume [cm³/kg]	Effiency[1] [m²/kg]
1,3 ± 0,1	49 ± 3	26 ± 3	210 ± 20	10,6

WFF	DFT[2] [µm]	Consume [g/m²]	VOC-content [g/l] (± 20)	Temperature resistance[3]
3,8	20 - 30	95 ± 20	640	150°C

These values are imputed values that may vary depending on the color shade and application.
Drying times are correspondingly longer for thicker layers.
The drying times are shortened by forced drying.

1 ± 0,5 for 20 µm dry layer thickness (depending on shade)
2 With layer thicknesses > - µm bubbles may form!
3 Dry heat

Notes

- **Storage**
  18 months (in unopened original container. Store cool but frost protected!)
- **Processing conditions**
  - The air and object temperature should be at +10°C to +40°C (optimally at 15-35 °C) and the relative humidity at max. 80 %. The surface temperature of the parts to be coated must be at least 3 °C above the dew point of the surrounding air during application.
  - Sufficient supply and exhaust air must be provided.
  - Experience shows that coatings sysstem is suitable for the operating temperatures of transformers.

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