

## CHING-radiator inside coating RD 124 R










### Intended use

Fast-drying primer for steel with very good oil resistance.

### Application

Radiators, galvanized corrugated wall tanks and distribution tanks

### General information

	<b>Color shades</b>	Olive green and red brown, other colors on request				
	<b>Gloss</b>	mat				
	<b>Stirring / Dilution</b>	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-Thinner RD 01 if necessary.				
	<b>Spraying</b>	<b>Viscosity [DIN 4]</b>	<b>Thinner [%]</b>	<b>Nozzle [mm]</b>	<b>Pressure [bar]</b>	
	Cup gun	45 - 90 s	≤ 10	1,5 - 2,0	3 - 5	
	Airless (Airmix)	n.a.	-	-	-	
	<b>Brush application</b>	n.a.				
	<b>Roller application</b>	n.a.				
	<b>Flow application</b>	Delivery form (flashing the radiator interior by pumping in the circuit)				
	<b>Substrate preparation</b>	according to DIN EN ISO 12944-4; Steel free of dust, salt, oil and grease as well as free of adhesion-reducing substances (e.g. corrosion products)				
	<b>Drying time<sup>1</sup></b>	<b>Temperature</b>	<b>Dust-dry</b>	<b>Grip resistant</b>	<b>Mech. resilient</b>	<b>Recoatable<sup>2</sup></b>
	at 15 µm	NC 23/50	10 min	15 min	40 min	24 h <sup>3</sup>
<p><sup>1</sup> Based on delivery viscosity! Humidity has a decisive influence on drying!</p> <p><sup>2</sup> with itself (not normally required for top and final coats, except possibly for minimum coat thicknesses) After initial oven drying, the radiators should cool down to room temperature before the second coat of RD 124 is applied.</p> <p><sup>3</sup> Air drying 20-30°C: 1 - 2 h with itself when drying in a convection oven at 60-80°C</p>						



**Viscosity  
delivery form**

45 - 90 DIN-4-seconds



**Other  
values**

Density [g/cm <sup>3</sup> ]	Solids [Weight. %]	Solid volume [%] [cm <sup>3</sup> /kg]		Efficiency <sup>1</sup> [m <sup>2</sup> /kg]
1,0 ± 0,1	25 ± 3	15 ± 3	160 ± 20	10,5
WFF	DFT <sup>2</sup> [µm]	Consume [g/m <sup>2</sup> ]	VOC-content [g/l] (± 20)	Temperature resistance <sup>3</sup>
7,0	15	95 ± 20	720	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.

<sup>1</sup> ± 0,5 for 15 µm dry layer thickness (depending on shade)

<sup>2</sup> With layer thicknesses > - µm bubbles may form!

<sup>3</sup> 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 system is suitable for the operating temperatures of transformers. The radiator inside coating RD 124 fulfils the ASTM D 3455 standard.