

## CHING-EP-zinc dust-Primer RWE-GB-14-S

### Intended use

Zinc dust primer based on epoxy resin with high resistance for steel structures in heavy corrosion protection.

### Application

High-voltage equipment, transformer housings, industrial halls, airport buildings, warehouses, parking garages, chemical plants, sign gantries, civil engineering structures, industrial and hall construction, tank facilities, waste incineration plants, power plants, etc.

### General information

	<b>Color shades</b>	ca. RAL 7005 and other colors on request			
	<b>Gloss</b>	mat			
	<b>Mixing ratio</b>	<b>Hardener</b>	<b>per weighth</b> [Paint : Hardener]	<b>per volume</b> [Paint : Hardener]	
		Hardener M 026	100 : 11	100 : 36	
	<b>Pot life</b>	approx. 6 - 8 h	NC 23°C/50%   Can be re-diluted within this period if necessary.		
	<b>Stirring / Dilution</b>	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-EP-Thinner EM 01 if necessary.			
	<b>Spraying</b>	<b>Viscosity</b> [DIN 4]	<b>Thinner</b> [%]	<b>Nozzle</b> [mm]	<b>Pressure</b> [bar]
	Cup gun	40 - 70 s	5 - 10	1,5 - 2,5	3 - 5
	Airless (Airmix)	Delivery form	≤ 3	0,31 - 0,51	140 - 200
	<b>Brush application</b>	Delivery form			
	<b>Roller application</b>	Delivery form (multiple application is recommended due to structure formation and minimum layer thicknesses)			
	<b>Flow application</b>	n.a.			
	<b>Substrate preparation</b>	According to DIN EN ISO 12944-4; Steel, blasted Sa 2½ to Sa 3 with angular blasting media, roughness according to EN ISO 8503-1 medium (G) or according to RWE regulations			



**Viscosity delivery form**

30 - 50 DIN-6-seconds



**Drying time<sup>1</sup>**

**Temperature**

**Dust-dry**

**Grip resistant**

**Mech. resilient**

**Recoatable<sup>2</sup>**

at 60 µm

NC 23/50

15 min

3 h

6 h

24 h<sup>3</sup>

<sup>1</sup> Based on delivery viscosity! Humidity has a decisive influence on drying!

<sup>2</sup> with itself (not normally required for top and final coats, except possibly for minimum coat thicknesses)

<sup>3</sup> with suitable subsequent coating, e.g. RWE-DB-23-S-xxx, RWE-24-S-xxx



**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]

2,5 ± 0,1

85 ± 3

53 ± 3

210 ± 20

3,5

**WFF**

**DFT<sup>2</sup>**  
[µm]

**Consume**  
[g/m<sup>2</sup>]

**VOC-content**  
[g/l] (± 20)

**Temperature resistance<sup>3</sup>**

1,9

60

280 ± 20

320

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 60 µm dry layer thickness (depending on shade)

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

<sup>3</sup> Dry heat



**Notes**

- **Storage**  
24 months (in unopened original container. Store cool but frost protected!)
- **Processing conditions**
  - ❖ The air and object temperature should be at +10°C to +45°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.