

## CHING-EP-Primer GB-EP-ZP-100

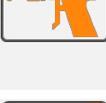
### Intended use

Fast-drying 2C-epoxy resin-primer for heavy-duty corrosion protection on steel.

### Application

Mining, focus on potash and salt mining

### General information

	<b>Color shades</b>	redbrown			
	<b>Gloss</b>	mat			
	<b>Mixing ratio</b>	<b>Hardener</b>	<b>per weight</b> [Paint : Hardener]	<b>per volume</b> [Paint : Hardener]	
		Hardener M 052	100 : 8	100 : 14	
	<b>Pot life</b>	approx. 4 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	120 - 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. Surface clean, dry and free from salt, dust, rust, oil, grease and corrosion products			



**Viscosity  
delivery form**

50 - 80 DIN-6-seconds



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

at 100 µm

**Temperature**

NC 23/50

**Dust-dry**

1,5 h

**Grip  
resistant**

5 h

**Mech.  
resilient**

20 h

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

8 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. DB-EP-EG-150



**Other  
values**

**Density**  
[g/cm<sup>3</sup>]

1,6 ± 0,1

**Solids**  
[Weight. %]

81 ± 3

**Solid volume**  
[%]

69 ± 3

[cm<sup>3</sup>/kg]

430 ± 20

**Efficiency<sup>1</sup>**  
[m<sup>2</sup>/kg]

4,3

**WFF**

1,5

**DFT<sup>2</sup>**  
[µm]

100

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

230 ± 20

**VOC-content**  
[g/l] (± 20)

280

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

120°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 100 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 +35°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.