

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

	Color shades	redbrown			
	Gloss	mat			
	Mixing ratio	Hardener	per weight [Paint : Hardener]	per volume [Paint : Hardener]	
		Hardener M 052	100 : 8	100 : 14	
	Pot life	approx. 4 h	NC 23°C/50% Can be re-diluted within this period if necessary.		
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-EP-Thinner EM 01 if necessary.			
	Spraying	Viscosity [DIN 4]	Thinner [%]	Nozzle [mm]	Pressure [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
	Brush application	Delivery form			
	Roller application	Delivery form (multiple application is recommended due to structure formation and minimum layer thicknesses)			
	Flow application	n.a.			
	Substrate preparation	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 time¹

at 100 µm

Temperature

NC 23/50

Dust-dry

1,5 h

Grip resistant

5 h

Mech. resilient

20 h

Recoatable²

8 h³

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)

³ with suitable subsequent coating e.g. DB-EP-EG-150



Other values

Density
[g/cm³]

1,6 ± 0,1

Solids
[Weight. %]

81 ± 3

Solid volume
[%]

69 ± 3

[cm³/kg]

430 ± 20

Efficiency¹
[m²/kg]

4,3

WFF

1,5

DFT²
[µm]

100

Consume
[g/m²]

230 ± 20

VOC-content
[g/l] (± 20)

280

Temperature resistance³

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.

¹ ± 0,5 for 100 µm dry layer thickness (depending on shade)

² With layer thicknesses > µm bubbles may form!

³ 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.