

CHING-EP-zinc dust-Primer EMD 156-HS

Intended use

Zinc dust containing primer based on epoxy resin for steel structures in heavy corrosion protection.

Application

Industrial halls, airport buildings, warehouses, multi-storey car parks, chemical plants, signage systems, engineering buildings, industrial and hall construction, tank farms, waste incineration plants, power stations, etc.

General information

	Color shades	Grey, reddish grey			
	Gloss	mat			
	Mixing ratio	Hardener	per weight [Paint : Hardener]	per volume [Paint : Hardener]	
		Hardener M 026	100 : 11	3 : 1	
	Pot life	approx. 6 - 8 h	NC 23°C/50%		
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-Thinner EM 01 if necessary.			
	Spraying	Viscosity [DIN 4]	Thinner [%]	Nozzle [mm]	Pressure [bar]
	Cup gun	40 - 90 s	7 - 12	1,5 - 2,5	4 - 5
	Airless (Airmix)	Delivery form	≤ 5	0,28 - 0,45	140 - 240
	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 β DIN EN ISO 12944-4; Steel, blasted Sa 2½ (to Sa 3) with edged abrasive, surface roughness according to EN ISO 8503-1 medium (G), roughness depth Rz 50-70µm			



**Viscosity
delivery form**

18 - 23 DIN-8-seconds



Drying time¹

Temperature

Dust-dry

**Grip
resistant**

**Mech.
resilient**

Recoatable²

at 80 µm

NC 23/50

20 min

2 h

7 h

2 - 3 h³
7 - 8 h⁴

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. 2C-EP-intermediate coating, as well as CHING-HYDROVERSAL-intermediate coating

⁴ with suitable subsequent coating e.g. 2C-PUR-top coat as well as CHING-HYDROVERSAL-top coat



**Other
values**

Density
[g/cm³]

Solids
[Weight. %]

Solid volume
[%]
[cm³/kg]

Efficiency¹
[m²/kg]

2,2 ± 0,1

80 ± 3

51 ± 3

235 ± 20

2,9

WFF

DFT²
[µm]

Consume
[g/m²]

VOC-content
[g/l] (± 20)

**Temperature
resistance³**

1,9

70 - 80 Max.

340 ± 20

430

140°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 80 µm dry layer thickness (depending on shade)

² With layer thicknesses > - µm bubbles may form!

³ Dry heat



Notes

- **Storage**

12 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 has shown that the coating system is suitable for vapor phase drying and for operating temperatures of transformers, whereby the specified layer thickness must not exceed by more than double!
- ❖