CHING-Zinc repair paint
ED 159

Intended use

Low-solvent, highly filled zinc dust primer for the repair of hot-dip galvanized steel.

Application

As repair paint for damage to galvanizing as well as for industrial halls, airport buildings, warehouses, car parks, chemical plants, signage systems, civil engineering works, industrial and hall construction, tank facilities, waste incineration plants, power plants etc.

General information

	Color shades	Silver grey, zinc grey				
	Gloss	mat				
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-Thinner F 10 if necessary.				
	Spraying	**Viscosity** [DIN 4]	**Thinner** [%]	**Nozzle** [mm]	**Pressure** [bar]	
	Cup gun	30-80 s	5 - 10	1,5 - 2,5	3 - 5	
	Airless (Airmix)	n.a.	-	-	-	
	Brush application	Delivery form				
	Roller application	Delivery form (minimum layer thicknesses have to be expected)				
	Flow application	n.a.				
	Substrate preparation	according to DIN EN ISO 12944-4; surface clean, dry, free of dust, salt, oil and grease as well as free of adhesion-reducing substanced (e.g. corrosion products)				
	Drying time[1]	**Temperature**	**Dust-dry**	**Grip resistant**	**Mech. resilient**	**Recoatable**[2]
	at 60 µm	NC 23/50	30 min.	2 h	10 h	24 h[3] 7 d[4]

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

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Viscosity delivery form

40 - 60 DIN-8-seconds

Other values

Density [g/cm³]	Solids [Weight. %]	Solid volume [%]	Solid volume [cm³/kg]	Effiency[1] [m²/kg]
2,5 ± 0,1	85 ± 3	49 ± 3	200 ± 20	3,4

WFF	DFT[2] [µm]	Consume [g/m²]	VOC-content [g/l] (± 20)	Temperature resistance[3]
2,0	60-100	300 ± 20	435	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 60 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.
  - ❖ Zinc dust content ≥ 94% according to the requirements of DIN 1461.

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