

CHING-HIGH-SOLID primer RWE-GB-13-S










Intended use

Quick-drying 1C-high-solid-primer for steel.

Application

Initial coating for steel structures as well as repair coating for overhead line pylons, transformer stations, etc.

General information

	Color shades	approx. RAL 3009, approx. RAL 7001, approx. RAL 7032				
	Gloss	mat				
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-Thinner DD 02 if necessary.				
	Spraying	Viscosity [DIN 4]	Thinner [%]	Nozzle [mm]	Pressure [bar]	
	Cup gun	30-50 s	4 - 8	1,5 - 2,5	4 - 5	
	Airless (Airmix)	n.a.	-	-	-	
	Brush application	Delivery Form				
	Roller application	Delivery form (not recommended for corrosion protection work due to possible blistering and crater formation and expected minimum layer thicknesses)				
	Flow application	n.a.				
	Substrate preparation	according to DIN EN ISO 12944-4 or RWE-specification; surface clean, dry, free of dust, salt, oil and grease as well as free of adhesion-reducing substances (e.g. corrosion products)				
	Drying time¹	Temperature	Dust-dry	Grip resistant	Mech. resilient	Recoatable²
	at 100 µm	NC 23/50	1 h	10 h	20 h	24 h ³
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. RWE-DB-11-S-7033						



Viscosity delivery form

250 - 450 mPas



Other values

Density [g/cm ³]	Solids [Weight. %]	Solid volume [%] [cm ³ /kg]		Efficiency ¹ [m ² /kg]
1,5 ± 0,1	80 ± 5	65 ± 5	400 ± 20	4,0
WFF	DFT ² [µm]	Consume [g/m ²]	VOC-content [g/l] (± 20)	Temperature resistance ³
1,6	80-100	250 ± 20	355	80°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**
18 months (in unopened original container. Store cool but frost protected!)
- **Processing conditions**
 - ❖ The air and object temperature should be at +5°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.