

CHING-EP-High-Solid-Primer RWE-GB-20-S

Intended use

Thick-layer 2-component epoxy resin-based primer with active corrosion protection for steel structures in heavy-duty corrosion protection.

Application

High-voltage equipment, transformer housings, industrial halls, airport buildings, warehouses, parking garages, chemical plants, sign gantries, civil engineering structures, industrial and hall construction, tank facilities, waste incineration plants, power plants, etc.

General information

	Color shades	RAL-colors and other colors on request			
	Gloss	mat			
	Mixing ratio	Hardener	per weight [Paint : Hardener]	per volume [Paint : Hardener]	
		Hardener M 052R	100 : 10	100 : 18	
	Pot life	approx. 6 - 8 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	30 - 50 s	5 - 10	1,5 - 2,5	3 - 5
Airless (Airmix)	Delivery form	≤ 5	0,31 - 0,51	140 - 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 or RWE regulation					
	Viscosity delivery form	30 - 50 DIN-8-seconds					
	Drying time¹	Temperature	Dust-dry	Grip resistant	Mech. resilient	Recoatable²	
	at 120 µm	NC 23/50	1 h	5 - 6 h	20 - 24 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-ZB-22-S-xxx, RWE-DB-23-S-xxx, RWE-24-S-xxx							
	Other values	Density [g/cm ³]	Solids [Weight. %]	Solid volume [%] [cm ³ /kg]		Efficiency¹ [m ² /kg]	
		1,6 ± 0,1	81 ± 3	68 ± 3	420 ± 20	3,5	
		WFF	DFT² [µm]	Consume [g/m ²]	VOC-content [g/l] (± 20)	Temperature resistance³	
		1,5	120	280 ± 20	300	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 120 µm dry layer thickness (depending on shade) ² With layer thicknesses > µm bubbles may form! ³ Dry heat							
	Notes	<ul style="list-style-type: none"> • Storage 24 months (in unopened original container. Store cool but frost protected!) • Processing conditions <ul style="list-style-type: none"> ❖ The air and object temperature should be at +10°C to +45°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. 					