

CHING-EPE-primer for dipping and spraying E 186 T/S

Intended use

Quick-drying, versatile recoatable 1-component corrosion protection primer based on epoxy resin ester for dipping and spraying for steel and cast steel.

Application

Dip coating for steel construction and mechanical engineering (e.g. motor housing) etc.

General information

	Color shades	Red-brown, light grey, others on request			
	Gloss	matt			
	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	30-40 s	3 - 5	1,5 - 2.5	4 - 5
	Airless (Airmix)	Delivery Form	≤ 3	0,31 - 0,51	120 - 200
	Brush application	n.a.			
	Roller application	n.a.			
	Flow application	Flood and dip viscosity depending on the object geometry 25-40 DIN-4-seconds. Adjust to the desired viscosity by adding approx. 3-8 % thinner F 10			
	Substrate preparation	according to DIN EN ISO 12944-4 Steel: blasted Sa 2½, surface roughness should be "medium (G)" according to ISO 8503-1. Cast surface: clean, dry, free of dust, rust, oil and grease and free from other adhesion reducing substances (e.g. corrosion products).			



	Drying time¹	Temperature	Dust-dry	Grip resistant	Mech. resilient	Recoatable²
	at 60 µm	NC 23/50	45 min.	3 - 4 h	14 - 16 h	14 - 16 h ³
<p>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</p>						
	Viscosity delivery form	70 - 100 DIN-4-seconds				
	Other values	Density [g/cm ³]	Solids [Weight. %]	Solid volume [%] [cm ³ /kg]		Efficiency¹ [m ² /kg]
		1,4 ± 0,1	68 ± 3	50 ± 3	350 ± 20	5,8
		WFF	DFT² [µm]	Consume [g/m ²]	VOC-content [g/l] (± 20)	Temperature resistance³
		2,0	40-80	170 ± 20	460	120°C
<p>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</p>						
	Notes	<ul style="list-style-type: none"> • Storage 18 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 +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. 				