

CHING-HYDROVERSAL-Intermediate- and top coat 691.30-74










Intended use




Water-based, quick drying, early loadable micaceous iron-intermediate coat or top coat for corrosion protection on galvanized steel according to TL/TP-KOR-steel structures, annex A sheet 91

Application

Catenary masts, lattice towers, noise barriers, sign gantries, Chemical plants, waste incineration plants, transformers, radiators, Transformer stations, steel structures such as multi-storey car parks, crane installations, tank farms, Pipe bridges, bridge construction etc.

General information

	Color shades	DB- and micaceous iron colors				
	Gloss	mat				
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with deion. water if necessary.				
	Spraying	Viscosity [DIN 4]	Thinner [%]	Nozzle [mm]	Pressure [bar]	
	Cup gun	30-50 s	5 - 10	1,5	4 - 5	
	Airless (Airmix)	Delivery Form	≤ 3	0,3 - 0,45	120 - 200	
	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; 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 120 µm	NK 23/50	30 min.	1 - 2 h	6 -8 h	4 - 6 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. CHING-PUR-top coat according to sheet 87						

	Viscosity delivery form	500 - 1000 mPas				
	Other values	Density [g/cm ³] 1,5 ± 0,1	Solids [Weight. %] 65 ± 3	Solid volume [%] 53 ± 3	Solid volume [cm ³ /kg] 350 ± 20	Efficiency¹ [m ² /kg] 2,7
		WFF 1,9	DFT² [µm] 120	Consume [g/m ²] 360 ± 20	VOC-content [g/l] (± 20) 125	Temperature resistance³ 80°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.</p> <p>¹ ± 0,5 for 120 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 +35°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. 				