

CHING-HYDROVERSAL-Mica-intermediate- and top coat HVSP 03 ECO









Intended use

Water-based, quick drying, early loadable micaceous iron-containing, heavy metal free, intermediate- and top coat for galvanized steel.





Application

Chemical plants, waste incineration plants, transformers and radiators, transformer substations, steel structures such as storey car parks, crane systems, tank systems, pipe bridges, bridge structures, catenary support, lattice towers

General information

	Color shades	RAL- and DB-colors as well as further colors on request			
	Gloss	mat			
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with deion. Wasser if necessary.			
	Spraying	Viscosity [DIN 4]	Thinner [%]	Nozzle [mm]	Pressure [bar]
	Cup gun	30 - 50 s	5 - 10	1,5 - 2,0	4 - 5
	Airless (Airmix)	Delivery form	≤ 3	0,31 - 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 100 µm	NC 23/50	1 h	2 - 3 h	24 h	6 - 8 h
<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)</p>						
	Viscosity delivery form	102 - 108 KU				
	Other values	Density [g/cm ³]	Solids [Weight. %]	Solid volume [%] [cm ³ /kg]		Efficiency¹ [m ² /kg]
		1,5 ± 0,1	70 ± 5	55 ± 5	370 ± 20	3,7
		WFF	DFT² [µm]	Consume [g/m ²]	VOC-content [g/l] (± 20)	Temperature resistance³
		1,8	80 - 120	270 ± 20	75	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 100 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. ❖ The equipment (e.g. spray gun, stirring unit etc.) should be cleaned directly after the use with water (tap water). The sooner the cleaning work is carried out, the better the cleaning effect. Dired-on material can be cleaned with CHING-Thinner VH 01. 				