

## CHING-HYDROVERSAL-Mica top coat HVSP 03 VB

### Intended use

Water-based, quick-drying, early loadable, micaceous iron containing single-layer coating for galvanized steel; especially suitable for use as aircraft warning paint

### Application

Chemical plants, waste incineration plants, transformers and radiators, transformer stations, steel structures such as multi-storey car parks, cranes, tank systems, pipe bridges, bridge construction, catenary masts, lattice towers, etc.

### General information

	<b>Color shades</b>	RAL-, DB, and micaceous iron colors as well as other colors on request				
	<b>Gloss</b>	mat				
	<b>Stirring / Dilution</b>	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with deion. water if necessary.				
	<b>Spraying</b>	<b>Viscosity [DIN 4]</b>	<b>Thinner [%]</b>	<b>Nozzle [mm]</b>	<b>Pressure [bar]</b>	
	Cup gun	30-50 s	5 - 10	1,5 - 2,0	3 - 5	
	Airless (Airmix)	Delivery form	≤ 3	0,31 - 0,45	120 - 200	
	<b>Brush application</b>	Delivery form				
	<b>Roller application</b>	Delivery form (not recommended for corrosion protection work due to possible blistering and crater formation and expected minimum layer thicknesses)				
	<b>Flow application</b>	n.a.				
	<b>Substrate preparation</b>	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)				
	<b>Drying time<sup>1</sup></b>	<b>Temperature</b>	<b>Dust-dry</b>	<b>Grip resistant</b>	<b>Mech. resilient</b>	<b>Recoatable<sup>2</sup></b>
	at 100 µm	NC 23/50	1 h	2 - 3 h	24 h	6 - 8 h
<p><sup>1</sup> Based on delivery viscosity! Humidity has a decisive influence on drying!</p> <p><sup>2</sup> with itself (not normally required for top and final coats, except possibly for minimum coat thicknesses)</p>						

	<b>Viscosity delivery form</b>	100 - 120 KU				
	<b>Other values</b>	<b>Density</b> [g/cm <sup>3</sup> ]  1,5 ± 0,1	<b>Solids</b> [Weight. %]  68 ± 5	<b>Solid volume</b> [%]  55 ± 5	<b>Solid volume</b> [cm <sup>3</sup> /kg]  370 ± 20	<b>Efficiency<sup>1</sup></b> [m <sup>2</sup> /kg]  3,7
		<b>WFF</b>  1,8	<b>DFT<sup>2</sup></b> [µm]  80 - 100	<b>Consume</b> [g/m <sup>2</sup> ]  270 ± 20	<b>VOC-content</b> [g/l] (± 20)  75	<b>Temperature resistance<sup>3</sup></b>  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><sup>1</sup> ± 0,5 for 100 µm dry layer thickness (depending on shade)  <sup>2</sup> With layer thicknesses &gt; - µm bubbles may form!  <sup>3</sup> Dry heat</p>						
	<b>Notes</b>	<ul style="list-style-type: none"> <li>• <b>Storage</b> 18 months (in unopened original container. Store cool but frost protected!)</li> <li>• <b>Processing conditions</b> <ul style="list-style-type: none"> <li>❖ 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.</li> <li>❖ Sufficient supply and exhaust air must be provided.</li> <li>❖ 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.</li> </ul> </li> </ul>				