

## 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

	<b>Color shades</b>	DB- and micaceous iron colors				
	<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	4 - 5	
	Airless (Airmix)	Delivery Form	≤ 3	0,3 - 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 120 µm	NK 23/50	30 min.	1 - 2 h	6 -8 h	4 - 6 h <sup>3</sup>
<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> <p><sup>3</sup> with suitable subsequent coating, e.g. CHING-PUR-top coat according to sheet 87</p>						

	<b>Viscosity delivery form</b>	500 - 1000 mPas				
	<b>Other values</b>	<b>Density</b> [g/cm <sup>3</sup> ] 1,5 ± 0,1	<b>Solids</b> [Weight. %] 65 ± 3	<b>Solid volume</b> [%] 53 ± 3	<b>Solid volume</b> [cm <sup>3</sup> /kg] 350 ± 20	<b>Efficiency<sup>1</sup></b> [m <sup>2</sup> /kg] 2,7
		<b>WFF</b> 1,9	<b>DFT<sup>2</sup></b> [µm] 120	<b>Consume</b> [g/m <sup>2</sup> ] 360 ± 20	<b>VOC-content</b> [g/l] (± 20) 125	<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 120 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 +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.</li> <li>❖ Sufficient supply and exhaust air must be provided.</li> </ul> </li> </ul>				