

## CHING-HYDROVERSAL-Top coat HV 47

### Intended use

Water-based, fast-drying, early loadable 1C-acrylic top coat for flooding with good thermostability, as well as decorative and corrosion-protecting properties for system structures with suitable primer and/or intermediate coatings on steel, galvanized steel and non-ferrous metals as well as renovating coating.

### Application

Transformers, transformer stations, mechanical engineering (e.g. motors, generators, aggregates), chemical, industrial and waste incineration plants as well as steel construction (e.g. multi-storey car parks, crane systems, tank systems, pipe bridges, bridge structures)

### General information

	<b>Color shades</b>	RAL-, NCS-, British Standard-, Munsell, AS-, Federal Standard- und special colors				
	<b>Gloss</b>	mat to glossy				
	<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	0,28 - 0,45	120 - 200	
	<b>Brush application</b>	Delivery form				
	<b>Roller application</b>	Delivery form (multiple application is recommended due to structure formation and minimum layer thicknesses)				
	<b>Flow application</b>	n.a.				
	<b>Substrate preparation</b>	according to DIN EN ISO 12944-4; Steel: qualified primer and/or intermediate coat; surface clean, dry, free of dust, rust, oil and grease				
	<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 80 µm	NC 23/50	45 min.	2 h	6 h	6 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>	90-100 KU				
	<b>Other values</b>	<b>Density</b> [g/cm <sup>3</sup> ]  1,2 ± 0,1	<b>Solids</b> [Weight. %]  60 ± 5	<b>Solid volume</b> [%]  43 ± 5	<b>Solid volume</b> [cm <sup>3</sup> /kg]  370 ± 20	<b>Efficiency<sup>1</sup></b> [m <sup>2</sup> /kg]  4,5
		<b>WFF</b>  2,0	<b>DFT<sup>2</sup></b> [µm]  80-100	<b>Consume</b> [g/m <sup>2</sup> ]  220 ± 20	<b>VOC-content</b> [g/l] (± 20)  80	<b>Temperature resistance<sup>3</sup></b>  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.</p> <p><sup>1</sup> ± 0,5 for 80 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>				