

## CHING-2K-PUR-Top coat SERIE PUR 47










### Intended use






High-quality, visually appealing 2C-PUR-top coat with outstanding chemical resistance, high color stability, and gloss retention. Direct adhesion to steel and various plastics (ABS, PUR, PA, UP, GRP). In combination with 2C-EP-Primer SERIES EP 18, it can also be used on galvanized steel, stainless steel, aluminum, and other non-ferrous metals.

### Application

Use on industrial and agricultural machinery and equipment.

### General information

	<b>Color shades</b>	RAL-, NCS-, British Standard -, Munsell-, AS-, Federal Standard- and special colors				
	<b>Gloss</b>	mat to glossy				
	<b>Mixing ratio</b>	<b>Hardener</b>	<b>per weight</b> [Paint : Hardener]	<b>per volume</b> [Paint : Hardener]		
		Hardener D 103 M	100 : 25 4 : 1	3 : 1		
	<b>Pot life</b>	approx. 4 - 5 h	NC 23°C/50%   Can be re-diluted within this period if necessary.			
	<b>Stirring / Dilution</b>	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-PUR-Thinner DD 01 if necessary.				
	<b>Spraying</b>	<b>Viscosity [DIN 4]</b>	<b>Thinner [%]</b>	<b>Nozzle [mm]</b>	<b>Pressure [bar]</b>	
		Cup gun	25 - 35 s	5 - 10	1,2 - 1,5	2 - 4
		Airless (Airmix)	30 - 35 DIN-4-seconds	5 - 10	0,23	60 - 80
	<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. Surface clean, dry and free from salt, dust, rust, oil, grease and corrosion products					
	<b>Viscosity delivery form</b>	50 - 60 DIN-4-seconds					
	<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 40 µm	NC 23/50	15 min	8 h	22 h	8 h	
<sup>1</sup> Based on delivery viscosity! Humidity has a decisive influence on drying! <sup>2</sup> with itself (not normally required for top and final coats, except possibly for minimum coat thicknesses)							
	<b>Other values</b>	<b>Density</b> [g/cm <sup>3</sup> ]	<b>Solids</b> [Weight. %]	<b>Solid volume</b> [%] [cm <sup>3</sup> /kg]		<b>Efficiency<sup>1</sup></b> [m <sup>2</sup> /kg]	
		1,3 ± 0,1	73 ± 5	58 ± 5	430 ± 20	11	
		<b>WFF</b>	<b>DFT<sup>2</sup></b> [µm]	<b>Consume</b> [g/m <sup>2</sup> ]	<b>VOC-content</b> [g/l] (± 20)	<b>Temperature resistance<sup>3</sup></b>	
		1,7	40 - 60	95 ± 20	380	120°C	
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. <sup>1</sup> ± 0,5 for 40 µm dry layer thickness (depending on shade) <sup>2</sup> With layer thicknesses > µm bubbles may form! <sup>3</sup> Dry heat							
	<b>Notes</b>	<ul style="list-style-type: none"> <li>• <b>Storage</b> 24 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> </ul> </li> </ul>					