

## CHING-HYDROVERSAL-primer HV 182 K

### Intended use

Water-based, quick drying primer (shop primer) for galvanized steel

### Application

Primer for e.g. gusset plates for further reworking with water-based coating materials

### General information

	<b>Color shades</b>	Red-brown, light grey, others 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	20-30 s	5 - 10	1,5	4 - 5	
	Airless (Airmix)	Delivery Form	≤ 3	0,2 - 0,3	120 - 200	
	<b>Brush application</b>	Delivery Form				
	<b>Roller application</b>	n.a.				
	<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 20 µm	NK 23/50	20 min.	1 h	12 h	3 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-HYDROVERSAL-intermediate or top coat</p>						

	<b>Viscosity delivery form</b>	50 - 60 DIN-4 seconds				
	<b>Other values</b>	<b>Density</b> [g/cm <sup>3</sup> ] 1,4 ± 0,1	<b>Solids</b> [Weight. %] 62 ± 3	<b>Solid volume</b> [%] 47 ± 3	<b>Solid volume</b> [cm <sup>3</sup> /kg] 340 ± 20	<b>Efficiency<sup>1</sup></b> [m <sup>2</sup> /kg] 17,1
		<b>WFF</b> 2,1	<b>DFT<sup>2</sup></b> [µm] 20	<b>Consume</b> [g/m <sup>2</sup> ] 58 ± 20	<b>VOC-content</b> [g/l] (± 20) 115	<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 20 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> </ul> </li> </ul>				