

CHING-HYDROVERSAL-primer HVS 186 K

Intended use

Water-based, quick drying acrylic primer with active corrosion protection for steel with or without old coating with very good penetration properties. Surface tolerant also suitable for hand derusted steel with preparation grade St 2-3.

Application

Pipe bridges, catenary masts, lattice towers, bridge construction, pipe bridges, tank installations, crane installations, silos etc.

General information

	Color shades	Red-brown, light grey, others on request				
	Gloss	mat				
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with deion. water if necessary.				
	Spraying	Viscosity [DIN 4]	Thinner [%]	Nozzle [mm]	Pressure [bar]	
	Cup gun	30-50 s	5 - 10	1,5 - 2,0	4 - 5	
	Airless (Airmix)	Delivery Form	≤ 3	0,3 - 0,45	120 - 200	
	Brush application	Delivery Form				
	Roller application	Delivery form (not recommended for corrosion protection work due to possible blistering and crater formation and expected minimum layer thicknesses)				
	Flow application	n.a.				
	Substrate preparation	according to DIN EN ISO 12944-4; Steel: blasted Sa 2 ½; manuel or mechanical derusting St 2-3 or P St 3. Galvanized steel: free of dust, salt, oil and grease as well as free of adhesion-reducing substanced (e.g. corrosion products)				
	Drying time¹	Temperature	Dust-dry	Grip resistant	Mech. resilient	Recoatable²
	at 60 µm	NK 23/50	1 h	6 h	24 h	8 h ³
¹ Based on delivery viscosity! Humidity has a decisive influence on drying! ² with itself (not normally required for top and final coats, except possibly for minimum coat thicknesses) ³ with suitable subsequent coating, e.g. CHING-HYDROVERSAL-intermediate or top coat						



Viscosity delivery form

90 - 95 KU



Other values

Density [g/cm ³]	Solids [Weight. %]	Solid volume [%] [cm ³ /kg]		Efficiency ¹ [m ² /kg]
1,3 ± 0,1	57 ± 3	40 ± 3	290 ± 20	5
WFF	DFT ² [μm]	Consume [g/m ²]	VOC-content [g/l] (± 20)	Temperature resistance ³
2,5	60-80	270 ± 20	129	80°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.

¹ ± 0,5 for 60 μm dry layer thickness (depending on shade)

² With layer thicknesses > - μm bubbles may form!

³ Dry heat



Notes

- **Storage**
18 months (in unopened original container. Store cool but frost protected!)
- **Processing conditions**
 - ❖ The air and object temperature should be at +7°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.
 - ❖ Sufficient supply and exhaust air must be provided.