

CHING-Copper paint PVB 001 colorless

Intended use

Fast-drying, colorless primer on polyvinyl butryal for copper.

Application

Coating of copper substrates in transformers to prevent acceleration of the oil ageing process.

General information

	Color shades	Colorless				
	Gloss	glossy				
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-Thinner S 14 if necessary.				
	Spraying	Viscosity [DIN 4]	Thinner [%]	Nozzle [mm]	Pressure [bar]	
	Cup gun	30 - 40 s	≤ 3	0,8 - 1,2	4 - 6	
	Airless (Airmix)	n.a.	-	-	-	
	Brush application	Delivery form				
	Roller application	Delivery form				
	Flow application	n.a.				
	Substrate preparation	Cleaned copper				
	Drying time¹	Temperature	Dust-dry	Grip resistant	Mech. resilient	Recoatable²
	at μm	NC 23/50	20 min.	1 h	2 h	-
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)						



**Viscosity
delivery form**

30 - 40 DIN-4-seconds



**Other
values**

Density [g/cm ³]	Solids [Weight. %]	Solid volume [%] [cm ³ /kg]		Efficiency ¹ [m ² /kg]
0,9 ± 0,1	18 ± 5	16 ± 5	175 ± 20	12,0
WFF	DFT ² [µm]	Consume [g/m ²]	VOC-content [g/l] (± 20)	Temperature resistance ³
6,4	15	85 ± 20	750	150°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 15 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 +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.
 - ❖ Sufficient supply and exhaust air must be provided.
 - ❖ Cleaner: CHING-Thinner S 14. There are separate processing instructions for PVB 001 on an extra sheet!