

## CHING-HYDRO Paper Glue KL 012 “green” 1:12 with 5% n-propanol







### Intended use

Water-dilutable adhesive for bonding paper, particleboard, and wood in transformer manufacturing. The adhesive improves the particle charge ratio prior to main drying.

### Application

Transformer manufacturing

### General information

	<b>Color shades</b>	Colorless
	<b>Stirring / Dilution</b>	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with if necessary.
	<b>Brush application</b>	Apply the adhesive sparingly with a brush at the viscosity specified for delivery. To improve the bonding performance, apply the adhesive only in small spots to large surfaces (particleboard and plywood). Bonding particleboard and plywood is only possible under pressure; carefully remove any excess adhesive from the parts to be bonded.
	<b>Roller application</b>	n.a.
	<b>Substrate preparation</b>	The surfaces to be bonded must be clean and free of oil and dust.
	<b>Drying time<sup>1</sup></b>	<b>Mechanicus resilient</b>
	at NC 23/50	Drying time depends on the thickness of the material. For molded parts, it takes about 40 minutes at room temperature. Higher temperatures to speed up drying are not recommended due to the risk of blistering.
<sup>1</sup> Based on delivery viscosity! Humidity has a decisive influence on drying!		



**Viscosity  
delivery form**

30 - 90 DIN-6-seconds



**Other  
values**

Density [g/cm <sup>3</sup> ]	Solids [Weight. %]	Solid volume [%] [cm <sup>3</sup> /kg]		Efficiency <sup>1</sup> [m <sup>2</sup> /kg]
1,0 ± 0,1	10 ± 5	n.a.	60 ± 20	3,9
WFF	DFT [μm]	Consume [g/m <sup>2</sup> ]	VOC-content [g/l] (± 20)	Temperature Resistance <sup>2</sup>
n.a.	15	255 ± 20	50	130 - 150°C

Drying times are correspondingly longer for thicker layers.  
The drying times are shortened by forced drying.

<sup>1</sup> ± 0,5 for 15 μm dry layer thickness (depending on shade)

<sup>2</sup> Dry heat



**Notes**

- **Storage**  
12 months (in unopened original container. Store cool but frost protected!)
- **Processing conditions**
  - ❖ The air and object temperature should be at +10°C bis +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.
  - ❖ Electrical conductivity < 150 μS/cm (measured as a 50% solution in deionized water).
  - ❖ Recommended storage temperature: 15-30 °C