



GTW Wall Ink

【Application】

GTW series is a solvent based gravure ink used for PVC wallpaper, wall cloth and substrate that requires knurling

【Features】

- ❖ This product is specially made for PVC wall paper, it has excellent heat knurling performance, low odor, less pungent smell after print
- ❖ High performance pigment ensures good heat and light resistance, little colour change after knurling; also it has good printing adaptability, suitable for long term printing without colour change
- ❖ This is an eco-friendly solvent based ink, does not contain hazardous solvents like benzene and ketone

【Printing viscosity】

- ❖ Printing viscosity: 18~25 sec (Zahn 3#/ 25 °C)

【Dilution】

Dilution adjustment depends on printing speed, weather, table below for reference

| Drying Speed solvent | fast | medium | slow |
|-------------------------|------|--------|------|
| Butyl acetate | 60 | 50 | 70 |
| Ethyl acetate | 40 | 50 | 30 |

【How to use】

- ❖ Stir the ink thoroughly and add solvent until printing viscosity is reached
- ❖ Printing viscosity adjustment depends on printing speed. It is recommended to use low printing viscosity for normal printing speed, high printing viscosity for low printing



speed. For printing speed between 80~100 m/min, we recommend printing viscosity at Zahn#3 18~25 sec

- ❖ Choice of solvent depends on actual printing environment, printing speed and drying performance. Customer can prepare their own solvent or use our fast, medium, slow drying solvent
- ❖ To decrease ink concentration, please use GTW varnish to ensure a stable ink performance
- ❖ For metal colour ink or pearlescent ink adjustment please use specialized GTW varnish for stable ink performance and better image representation
- ❖ Solvent: Water/ alcohol

【Precautions】

- ❖ To ensure suitability of this product customer should assess the properties of PVC film (thickness, size, stability etc.) and post printing heat process before using the product
- ❖ If customer decided to make their own solvent mix, please choose solvents that are compatible with the ink (MEK, ethyl acetate, butyl acetate), this is to avoid a change in ink property (high ink viscosity, separation etc.) due to the decrease in solvent solubility.
- ❖ When using this product please avoid mixing with other brand's ink or solvent as this might affect the ink properties
- ❖ This product does not contain aromatic hydrocarbon (Toluene, xylene etc.) and other controlled solvent, when customer prepare their own solvent mix please ensure it comply with relevant regulation
- ❖ This product is flammable, avoid naked flame and ensure safety in printing environment. Please refer to MSDS for more information

【Disclaimer】

The data shown in this document is based on actual production and test result generated within our company. Above data is only for reference and does not bear any legal guarantee responsibilities. Whether actual ink performance can meet user's requirement depends on application conditions and substrate etc. We suggest that users should access whether current production conditions meet the application requirement of each product before printing. Since we cannot control the actual application and storage conditions, we cannot guarantee the final product performance. All product sales subject to our standard sales terms and conditions.