



GTK-WX Multi-Purpose Heat Transfer Ink

【Product description】

GTK-WX series is an ester solvent based, eco-friendly heat transfer ink. Compare to pure acrylic heat transfer ink it has better flexibility and hence a wide range of application. It can be printed on high density board, picture frame, skirting, plastic board etc. Printed substrate has vivid colour, difficult to crack, good transferability, good adhesion, good weathering resistance, good scratch resistance and more. This product is suitable on different types of PET heat transfer film. Printing temp. between 160 – 220 °C.

【Product features】

- ❖ Benzene and ketone free, safe and eco-friendly
- ❖ Good flexibility, ink film does not crack after multi-layer printing
- ❖ Good adhesion, good rub and scratch resistance
- ❖ Good temp. resistance, good transferability
- ❖ Vivid colour that does not fade easily, good weathering resistance throughout whole series. Can be used with different weathering resistance requirement

【Printing conditions】

- ❖ Printing viscosity depends on cell depth and printing speed, recommended viscosity:
White: 15-18 sec ZC3#/ 25 °C
Coloured: 16-20 sec ZC3#/ 25 °C
Precaution: Printing viscosity should be increased when printing in slow speed with deep printing cell
- ❖ Recommended printing process:
PET// Release layer// (Protective layer)// Ink// (Adhesive)
Protective layer can be increased depending on customer's need. Adhesive amount could be adjusted depending on adhesion difficulty.
- ❖ Printing speed:



Can be used with varying printing speed and different cell depth. Please test before printing performance before production

❖ Printing cell depth:

Recommended cell depth 120-175 microns; Recommended printing speed 60-120 m/min

【Ink series】

Black, White, red, yellow, blue basic colour, specialized colour can be ordered upon customer request. Please inform in advance for weathering resistant product.

【Dilution】

Solvent	Fast drying speed	Medium drying speed	Slow drying speed
n-propyl acetate	50	40	50
Ethyl acetate	-	50	-
Butyl acetate	50	10	50

【How to use and Precautions】

- ❖ Shake well before use to ensure good ink flow
- ❖ Ink should be diluted with adequate amount of solvent before use, fast, medium and slow drying speed solvent can be chosen to suit different weather and printing speed
- ❖ Ink performance will be affected by different printing substrate and actual printing process, please confirm before use. If you have any enquiries please contact us

【Disclaimer】

This specification is in accordance with the actual production and test results, whether the product could meet your process requirements depends on application conditions and printed material. We recommend the users to assess if the product can meet all their requirements before production. Since we cannot predict or control your printing condition, the product performance cannot be guaranteed all sales are subjected to the standard terms and conditions of the sales control division.