

METAL DECORATION INKS

TP – 4XXX SERIE

TP-4XXX series of inks are used for the decoration of metal sheets (aluminium, TFS, ETP) for 3-piece process and general line cans, drawn cans, crown corks, lids and closures.

Technical Properties

- High stroke resistance and elasticity.
- Process colours are included.
- Depending on the shades, lightfastness of the inks may vary between 6-8 (Blue Wool Scale).
- Overvarnishable.
- It is recommended to use fountain solution having a pH value between 5.0-5.5 (for a good drying and water emulsification).

Specifications

Physical & Chemical Properties

Base	: Drying Alkyd
Solid Content	: % 100
Density (Coloured inks)	: 1.00 - 1.05 g/cm ³
Density (White inks)	: 1.45 - 1.55 g/cm ³
Viscosity (PK5.1°/0.89s ⁻¹ /23°C)	: 100 - 750 dPas
Tack (400 rpm/30°C)	: 10 - 18
Flash Point	: above 110°C

Application Properties

Application Method	: Litho / Dry off-set
Thinner	: TO - 0403
Drier (for coloured inks)	: Max. 0,5% TO - 0499 (if needed)
Drier (for white inks)	: Max. 1% TM - 0499 (if needed)
Curing Conditions	: 150-170°C / 12 minutes

Storage

Ink should be kept in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Ink can be stored in tightly closed pails/ containers, indoors at normal room temperature (20°C) for 5 years.

The above information is based on our laboratory tests. Variety of the conditions may affect the results. In this case please contact to our technical department.

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