

## ELITE PLUS METAL DECORATION INKS

ELITE PLUS 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 5-7 (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<sup>3</sup>

Density (White inks) : 1.45 - 1.55 g/cm<sup>3</sup>

Viscosity (PK5.1°/0.89s<sub>-1</sub>/23°C) : 100 - 750 dPas

Tack (400 rpm/30°C) : 12 - 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.

*This technical instruction sheet is designed for your information and reference. It is based on and conforms to our current knowledge. However as actual application is affected by many factors over which we have no control, we are not liable for printing failures.*