



The Microtech range of ultra fine pigment dispersions are formulated for hi-tone flexographic process printing. Due to the high pigmentation and excellent rewettability, they are used with great success with minimal cleaning of plates on set up and print runs where fine screens are normally problematic. The main area of utilisation is for process work.

Due to the variety of substrates, it is essential that the requirements be discussed with our technical service personnel prior to ordering, as these inks are available for surface, laminating and deep-freeze applications.

Properties

- Good fat or oil resistance
- High heat resistance
- High pigment loading
- Low solvent retention
- Excellent printability
- Excellent rewettability

Substrates

- Co-extruded polypropylene films
- Treated LD, LLD and HD polyethylene
- Primed metallised films
- Washed foils
- Paper products

Substrates should have a minimum treatment level of 38 dynes/cm

Reducer

FAST 2:1 Meths : Ethyl Acetate

NORMAL Meths

SLOW 4:1 Meths : Ethoxy Propanol/Dowanol

Wash up

Meths/Ethyl Acetate blends should be sufficient.

Supply Viscosity

Colours – 30-35 Sec Zahn #2 @ 25°C

Medium – 30-35Sec Zahn #2 @ 25°C

Print Viscosity

Because of the nature of the product, generally a higher print viscosity is recommended particularly in chamber doctor blade systems, an average Print Viscosity would be 30 to 35 sec Zahn #2 @ 25°C.

Wash up

Dowanol: Ester Blends

Colour Range

A full spectrum of colour pigments are available in the Lazer Range, which may only be limited by selection for specific applications. They are of reasonable light fastness but may not be suitable for extended exposure to direct sunlight. If requirements for more resistant pigments are needed, these should be stated at the time of ordering.

BCF

These inks have been formulated in accordance with the recommendation of the British Coatings Federation.

Waste disposal

Care should be exercised in the disposal of printing ink waste. This should be carried out in accordance with good industrial practice observing all the appropriate regulations including the relevant guideline notes to the Environment Conservation Act and Regulations (73/1989).

Health and Safety

Full details appear on the Material Safety Data Sheets

The information outlined in this data sheet is given in good faith but does not constitute a guarantee. Since conditions of handling and application are beyond our control, the converter should assure himself of the suitability of the product for the particular end use. It is recommended that advice be taken from Hi-Tech Inks' Technical Department for all new applications and it is preferable for trials to be carried out before full production runs are commenced.

