

# FLEXOGRAPHIC INKS

## Reverse printing

### Midaflex® FL-Series



## Description

Solvent-based inks designed for excellent printing properties on various materials, Available for lamination printing applications. This ink system offers excellent color strength, gloss, printability and press room friendliness.

## Substrates

- PP, PE, OPP, Pearlised BOPP
- PVC
- Aluminum Foil
- Metalized polyester

Note: all substrates should be treated to minimum of 38 dynes/cm for good adhesion and optimum resistance properties

## Application Fields

- Shopping bags
- Milk containers
- Detergent pags
- Chocolate and food wrappers
- All lamination printing applications

## PRODUCT KEY FEATURES

- High color strength
- Good gloss
- Heat resistance (180 °C)
- High quality tonal and fine line printing
- Excellent process printing properties
- Block resistance
- Good adhesion to polyolefin materials
- Cost effective
- High bond strength suitable for film to film
- Complete range of standard and specialty colours available upon request

## Auxiliaries

- |                    |                                              |
|--------------------|----------------------------------------------|
| ■ Thinner          | Ethyl alcohol                                |
| ■ Retarder         | Methoxy Propanol                             |
| ■ Accelerator      | Ethyl acetate                                |
| ■ Extender varnish | FL -40 Varnish (for Lamination applications) |
- (To be added according to your color strength requirements and to refresh the ink)

## RANGE OF COLORS

Available in a full range of standard and specialty colours.

Colors	Code	Adhesion	Scratch resistance	Viscosity (STD)
Magenta	FL-100	5	2	55-60 Sec
Warm red	FL-101	5	2	35-40 Sec
Orange	FL-200	5	2	55-60 Sec
Yellow	FL-300	5	2	85-90 Sec
Green	FL-400	5	2	85-90 Sec
Cyan	FL-500	5	2	33-37 Sec
Reflex Blue	FL-600	5	2	35-40 Sec
Violet	FL-700	5	2	25-30 Sec
Rodamin	FL-750	5	2	18-20 Sec
Purple	FL-775	5	2	18-20 Sec
Black	FL-800	5	2	32-37 Sec
White	FL-900	5	2	45-50 Sec
Gold	FL-950	5	2	105 Sec
Ritch gold	FL-951	5	2	85-90 Sec
Silver	FL-975	5	2	30-35 Sec
Blue 072	FL-072	5	2	35-40 Sec

### Intense color (FLDS series)

Colors	Code	Adhesion	Scratch resistance	Viscosity RL/DS
Magenta	FLDS-100	5	2	65-70 Sec
Yellow	FLDS-300	5	2	90-100 Sec
Cyan	FLDS-500	5	2	65-70 Sec
Black	FLDS-800	5	2	36 Sec
White	FLDS-900	5	2	55 Sec

\*Viscosity by Din Cup-4 at 25° c

\*\*Scale 1: is poor - 5 Excellent

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## Remarks

- Anilox selection is very important to achieve a good print quality
- Recommended working temperature should be 25 °C
- Recommended ink viscosity (on the print press) 16-22 seconds/ Din cup-4

## Additives

- Adhesion promoter 001 (1-4%)

## Storage

- Store in a dry cool and well-ventilated area
- Keep away from heat and direct sunlight.
- Keep away from sources of ignition
- Opened containers must be carefully resealed and kept upright to prevent spill

## Packaging

- 15kg Pails
- 200 kg Iron drums