



# UNION INKS

## Product Information

### ***UNI-PM SCREEN INKS***

### ***13-00 SERIES***

TIL NO : 303

#### PROPERTIES

Flexible, fast drying, semi-glossy ink specifically formulated for printing of plastic cards, self adhesive vinyl substrates, treated polyesters, nylon materials as well as other synthetic fabrics or paper substrates. This ink offers:-

- excellent thixotropic properties ideal for reverse printing and fine details.
- excellent coverage
- excellent laminating properties ideal for plastic card
- greater stability on the stencil during printing and break

#### APPLICATIONS

Uni-PM ink is also recommended for printing other plastics like rigid or soft PVC, acetate, polycarbonate as well as paper.

#### SCREENS

Stencils must be solvent resistant. For fine details use 120 threads/cm fabrics, while 77 threads/cm fabrics are recommended for large areas or where higher opacity is demanded.

For screen wash-up, use Screenwash 909 or 10-T100.

#### THINNING

- Fast Reducer: 10-T102
- Normal Reducer: 10-T104

Thinning ratio varies depending on printing and drying conditions from 10 to 20% maximum.

#### PRINTING

Prior to use ink must be thoroughly stirred and thinned according to printing parameters. Printing should be off-contact with well sharpened polyurethane squeegee of average shore hardness of 70-75 shore. Soon after use clean the screen and other equipment with proper solvents.

#### DRYING

Drying is achieved by solvent evaporation. Air drying takes approximately 15 to 20 minutes, when overprinting a second or third colour, or whenever thick ink deposit on wide areas is required, a longer drying time should be allowed. In jet dryers at temperature of 40 - 50<sup>0</sup> C, drying time is considerably reduced to 20 - 30 seconds.

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## PRODUCT RANGE

The standard basic shades are in the SSI screen ink colour guide.

- trichromatic colours for process colour printing.
- 13-195 transparent medium to modify the properties of pigmented ink or to reduce colour strength.
- 13-D100 base medium for the preparation of metallic inks.
- 13-186 gel medium to lower shade intensity without affecting ink original physical properties.

The basic ink shades are :-

CODE	COLOURS
13-P100	Primrose Yellow
13-Y100	Golden Yellow
13-S100	Scarlet
13-R100	Red
13-M100	Magenta
13-V100	Violet
13-B100	Blue
13-G100	Green
13-K100	Black
13-W100	White

## PRECAUTIONS FOR USE AND STORAGE

This material is not hazardous when used with a reasonable standard of hygiene and safe working practice. However, as with all chemicals, skin contact should be avoided and any contamination must be washed with plenty of water. In case of eye contamination, irrigate with plenty of water and seek medical advice. Store product in a cool place and shelf life is about 12 months at 25 degrees C .

## WARNING

This information is given in good faith, but without any guarantee as the printing conditions of our inks are beyond our control. In the event of complaints, the ink supplier may replace free of charge the unused ink, declining any other responsibilities.