



# UNION INKS

## Product Information

### ***UNI-PET SCREEN INKS***

### ***39-00 SERIES***

TIL NO: 339

#### PROPERTIES

Solvent based ink of semi-matt finish providing low odour properties, fast drying, excellent flexibility and block resistance. Thanks to its versatile properties, this ink is suitable for fast production output especially for polyester films.

- good screen stability during printing and breaks.
- easy printability
- excellent block resistant
- excellent flexibility
- excellent alcohol resistance and hardness.

#### APPLICATIONS

This ink series is ideal for screen printing of all types of polyester. The ink film flexibility makes it ideal for forming and is suitable for the production of membrane switch and nameplate applications.

#### 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 99-SW113.

#### THINNING

- Fast Reducer: 39-T102
- Normal Reducer: 39-T104
- Slow Retarder: 39-T106

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

The ink dries rapidly by evaporation of solvents. The tack free time at room temperature is approximately 15 - 20 minutes. In jet dryers at temperature of 100 - 150° C, drying time is considerably reduced to about 1 - 2 minutes.

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## PRODUCT RANGE

The standard basic shades are in the Union Screen Ink colour guide.

- Trichromatic colours for process colour printing.
- 39-186 Gel medium to lower shade intensity without affecting ink original physical properties.
- 39-195 Transparent medium to modify the properties of pigmented ink or as an overprint varnish.
- 39-D100 Base medium for the preparation of metallic ink.

The basic ink shades are:-

Code Number	Colour
39-P114	N. T. Yellow
39-S123	N. T. Orange
39-R100	Red
39-M100	Magenta
39-V100	Violet
39-B100	Blue
39-G100	Green
39-K100	Black
39-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 °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.