



# UNION INKS

## Product Information

### ***UNI-PG SCREEN INKS***

### ***12-00 SERIES***

TIL NO : 302A

#### PROPERTIES

Vinyl based, fast drying ink of satin gloss finish with outstanding covering power, primarily intended for outdoor and nameplates applications.

- good screen stability during printing and breaks.
- easy print ability and fine details on reverse printing
- resistant to alcohol.
- resistance to welding processes of PVC
- good lightfastness ( 7-8 blue wool scale) and weatherability for outdoor use.

#### APPLICATIONS

Screen printing of all types of flexible and rigid PVC, imitation leathers and kristall. PVC sheets to be thermoformed. It is also suitable for other substrates such as methacrylate, ABS, Polycarbonate, treated polyester and spray coated polystyrene cabinets.

#### 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: 12-T102
- Normal Reducer: 12-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

The ink dries rapidly by evaporation of solvents. The tack free time at room temperature is approximately 20 minutes. 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.
- 12-185 Extender medium to reduce unit cost of the ink.
- 12-186 Gel medium to lower shade intensity without affecting ink original physical properties.
- 12-195 Transparent medium to modify the properties of pigmented ink or as an overprint varnish.
- 12-D100 Base medium for the preparation of metallic ink.

The basic ink shades are :-

CODE	COLOURS
12-P100	Primrose Yellow
12-Y100	Golden Yellow
12-S100	Scarlet
12-R100	Red
12-M100	Magenta
12-V100	Violet
12-B100	Blue
12-G100	Green
12-K100	Black
12-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

These information are 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.