



# UNION INKS

## Product Information

### ***UNILIC SCREEN INKS***

### ***21-00 SERIES***

TIL NO : 301

#### PROPERTIES

Acrylic-based glossy screen printing ink providing outstanding resistance to thermoforming. No slits appear even using rough dies. This ink features high printability on the stencil. High mechanical resistance is offered. Such characteristics are considerably increased by thermoforming. Allows high production yield with covering power from 30 - 50 m<sup>2</sup> per kilo with fabrics having 120 threads/cm. All shades have utmost light resistance and when overprinted with /on white, they do not "bleed" even at temperature reached to thermoform methacrylate (170 - 200°C).

#### APPLICATIONS

This ink series is suitable to print both extruded and cast methacrylic plates (Oroglass, Perspex, Flexiglass, Vedril, etc) to be thermoformed for the production of light signs. Can also be used to print other plastic materials like ABS, CAB, Polystyrene, PVC and Polycarbonates.

#### 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: 21-T102
- Normal Reducer: 21-T104
- Slow Retarder: 21-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 equipments with proper solvents.

#### DRYING

The ink dries rapidly by evaporation of solvents. The tack free time at room temperature is approximately 10 - 15 minutes. In jet dryers at temperature of 40 - 50° C, drying time is considerably reduced to about 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.
- 21-185 Extender medium to reduce unit cost of the ink.
- 21-186 Gel medium to lower shade intensity without affecting ink original physical properties.
- 21-195 Transparent medium to modify the properties of pigmented ink or as an overprint varnish.
- 21-D100 Base medium for the preparation of metallic ink.

The basic ink shades are :-

CODE	COLOURS
21-P100	Primrose Yellow
21-Y100	Golden Yellow
21-S100	Scarlet
21-R100	Red
21-M100	Magenta
21-V100	Violet
21-B100	Blue
21-G100	Green
21-K100	Black
21-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.