



# UNION INKS

## Product Information

### ***UNI- NYLON SCREEN INKS***

### ***22-00 SERIES***

TIL NO : 404

#### PROPERTIES

Two component or can be used as a single component fast drying ink of glossy finish with outstanding flexibility.

- good opacity
- can be air - dried
- excellent adhesion
- excellent flexibility
- excellent rub resistance

#### APPLICATIONS

Uni-Nylon inks are formulated for direct printing on nylons such as sail cloth, umbrellas, tote-bag material and other synthetic products such as polyurethane, leather products etc.. In most instances, Uni-Nylon Ink adheres well on to water proofed nylon garments. ( **Always pretest** )

#### CATALYST

Depending on the substrates, it maybe necessary to add proper catalyst **22-C191** (1 part to 9 parts of Uni-Nylon ink). Catalysed ink must be used within 12 hours depending on environment temperature, humidity and thinning ratio.

#### 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: 22-T102
- Normal Reducer: 22-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 equipments with proper solvents.

continue ... 2

## DRYING

The ink dries by evaporation of solvents and cures at ambient temperature. The tack free time at room temperature is approximately 60 - 90 minutes. In jet dryers at temperature of 70 - 80<sup>o</sup> C, drying time is considerably reduced to about 2 - 3 minutes. If catalyst is added, complete curing at ambient temperatures is about 48 hours.

## PRODUCT RANGE

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

- trichromatic colours for process colour printing.
- 22-185 Extender medium to lower shade intensity without affecting ink original physical properties.
- 22-D100 Base medium for the preparation of metallic ink.
- 22-C191 Uni-Nylon Catalyst to be added at level of 10% to the ink. The catalysed ink has a pot life of 12 hours.

The basic ink shades are :-

CODE	COLOURS
22-P100	Primrose Yellow
22-Y100	Golden Yellow
22-S100	Scarlet
22-R100	Red
22-M100	Magenta
22-V100	Violet
22-B100	Blue
22-G100	Green
22-K100	Black
22-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.