



# UNION INKS

## Product Information

### ***UVI-PET SCREEN INKS***

### ***76-00 SERIES***

TIL NO : 807

#### **PROPERTIES**

Flexible, high visual impact glossy ink specifically formulated for screen printing onto PET bottles.

It offers :

- fast cure rate giving high production yield
- good adhesion onto PET
- excellent flexibility
- excellent gloss

#### **APPLICATIONS**

**Uvi-PET screen ink is a single pack ultraviolet curable ink designed for screen printing onto PET bottles.** Properly cured, these inks will excellent adhesion and flexibility. Pre-test for adhesion prior to use in production

#### **SCREENS**

Stencils must be solvent resistant. For fine details use 180 threads/cm fabrics, while 140 threads/cm fabrics are recommended for large areas or where higher opacity is demanded.

For screen wash-up, use Universal Wash 99-SW113.

#### **THINNING**

Uvi-PET is a pre-initiated, one part system, ready to print from the container. If necessary, UV Reducer 76-T102 may be used. Thinning ratio varies depending on printing conditions but do not exceed 5% by weight.

#### **PRINTING**

Prior to use ink must be thoroughly stirred and if necessary, 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.

#### **CURING**

Uvi-PET ink will cure on all commercially available UV dryers. Cure speeds will depend on exposure time or line speed, wattage output, ink deposit and UV intensity. As a guide, printing using 140 threads/cm, UV energy required to cure the ink film is about 200-250 millijoules / cm<sup>-1</sup> on a UV-V spectral response.

## **PRODUCT RANGE**

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

- trichromatic colours for process colour printing. (76-Y200 Yellow, 76-M200 Magenta, 76-B200 Blue and 76-K200 Black).
- 76-185 Extender medium to reduce unit cost of the ink.
- 76-187 Process medium to lower shade intensity without affecting ink original physical properties.
- 76-195 Transparent medium to modify the properties of pigmented ink or as an overprint varnish.

The basic ink shades are :-

CODE	COLOURS
76-P113	PRIMROSE YELLOW
76-Y114	GOLDEN YELLOW
76-S123	ORANGE
76-R100	RED
76-M100	MAGENTA
76-V100	VIOLET
76-B100	BLUE
76-G100	GREEN
76-K100	BLACK
76-W100	WHITE

## **PRECAUTIONS FOR USE AND STORAGE**

Direct or prolonged ink exposure to light sources with UV contents should be avoided. Avoid contact with skins and eyes. If the ink comes in contact with the skin, promptly wash off with water and soap. If eye contact occurs, immediately wash off with water for 15 minutes and seek medical advice. Wash area has to be effectively ventilated.

Store product in a cool place and shelf life is about 6 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.