



# UNION INKS

## Product Information

### ***UVI-KEYTOP SCREEN INKS 73-00 SERIES***

TIL NO: 804

#### **PROPERTIES**

Hard and Abrasion Resistant Ink with high visual impact glossy ink specifically formulated for screen printing onto ABS and HIPS keytops. It offers: -

- Good resistant to a wide range of chemicals
- Excellent hardness and abrasion resistance
- Fast cure rate giving high production yield
- Excellent adhesion on ABS and HIPS
- Excellent gloss

#### **APPLICATIONS**

**Uvi-Keytop ink is a single pack ultraviolet curable ink designed for screen-printing onto ABS and HIPS keytops.** Properly cured, these inks will exhibit excellent adhesion and abrasion, as well as resistance to solvents and chemicals. 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-Keytop is a pre-initiated, one part system, and ready to print from the container. If necessary, UV Reducer 73-UM 591 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-Keytop 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 -300 millijoules / cm<sup>-1</sup> on a UV-V or 400 – 600 on a UV-A spectral response.

## PRODUCT RANGE

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

- 70-195 Transparent medium to modify the properties of pigmented ink or as an overprint varnish.
- 73-D2000 High Gloss Overprint Varnish.
- 73-D3000 Matt Overprint Varnish

The basic ink shades are:

| CODE    | COLOURS         |
|---------|-----------------|
| 73-P113 | PRIMROSE YELLOW |
| 73-Y114 | GOLDEN YELLOW   |
| 73-S123 | ORANGE          |
| 73-R100 | RED             |
| 73-M100 | MAGENTA         |
| 73-V100 | VIOLET          |
| 73-B100 | BLUE            |
| 73-G100 | GREEN           |
| 73-K100 | BLACK           |
| 73-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.