



UNION INKS

Product Information

UNI-PVC GLOSS SCREEN INKS

15-00 SERIES

TIL NO: 311A

PROPERTIES

Flexible, fast drying, glossy ink specifically formulated for printing self adhesive vinyl substrates, treated polyesters as well as other synthetic fabrics or paper substrates. This ink offers: -

- Easy printability and utmost flow ability even on difficult substrates.
- Gloss finish, excellent coverage
- Good stability on the stencil during printing and breaks.
- Good resistance to alcohol.
- Very economical to use.

APPLICATIONS

This ink series is recommended for printing vinyl stickers and other plastics like rigid or soft PVC, acetate, polycarbonate as well as paper.

SCREENS

Stencils must be solvent resistant. For fine detail prints use 120 threads/cm fabrics, while 77 threads/cm fabrics are recommended for large areas where higher opacity is demanded. For screen wash up, use Universal screen wash 99-SW 113.

THINNING

- Fast Reducer: 10-T102
- Retarder: 10-T104

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 AND CURING

It is achieved by solvent evaporation. Air-drying takes approximately 15 - 20 minutes, when overprinting a second or third colour, whenever thick ink deposit on wide areas is required, a longer drying time should be allowed. In forced air dryers this process takes about 3-5 minutes. Hot air dryers at 70-85 degrees C, drying time are reduced to about 3-5 minutes.

PRODUCT RANGE

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

- 15-185 Extender base to modify the properties of pigmented ink or to reduce colour strength.
- 15-D100 base medium for the preparation of metallic inks.

15-00 SERIES cont'd 2

The basic ink shades are: -

Code	Description
15-P100	Primrose Yellow
15-Y100	Golden Yellow
15-Y114	N. T. Yellow
15-S100	Scarlet
15-S123	N. T. Orange
15-R100	Red
15-M100	Magenta
15-V100	Violet
15-B100	Blue
15-G100	Green
15-K100	Black
15-W100	White

PRINTING SUBSTRATES

It is recommended that all plastics should be tested before use, as certain plastic may be impregnated with lubricants which like plasticizer migration may impair adhesion and block resistance. In case of plasticizer residues, these can be removed by wiping with white spirit.

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.