



UNION INKS

Product Information

UNIMETAL SCREEN INKS

64-00 SERIES

TIL NO : 201

PROPERTIES

High gloss, tough and resilient alkyd based ink primarily intended for outdoor application.

- good screen stability during printing and breaks.
- easy printability
- resistant to alcohol.
- good lightfastness (7-8 blue wool scale) and weatherability for outdoor use.

APPLICATIONS

64-00 series has excellent adhesion to enamelled metals, hardboard and many common wood.

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 Reducer 64-T102.

THINNING

- Fast Reducer: 64-T102
- Normal Reducer: 64-T104
- Slow Retarder: 64-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 AND CURING

Unimetal ink dries by oxidation and will dry to a handleable stage in 5-6 hours and complete cure overnight. The full toughness of the ink film can be achieved by stoving at a temperature of 120⁰ C for 15 - 20 minutes. It is always advisable with oxidation drying ink that complete curing of the ink is achieved before stacking prints.

PRODUCT RANGE

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

- trichromatic colours for process colour printing.
- 64-185 Extender medium to reduce unit cost of the ink.

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- 64-186 Gel medium to lower shade intensity without affecting ink original physical properties.
- 64-195 Transparent medium to modify the properties of pigmented ink or as an overprint varnish.
- 64-D100 Base medium for the preparation of metallic ink.

The basic ink shades are :-

CODE	COLOURS
64-P100	Primrose Yellow
64-Y100	Golden Yellow
64-S100	Scarlet
64-R100	Red
64-M100	Magenta
64-V100	Violet
64-B100	Blue
64-G100	Green
64-K100	Black
64-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.