

WIN 3 Series Screen Ink

Code Ref: 407

technical information and application instructions

Substrates	PU Substrates.
End Uses	Bags, shoes, belts, banners etc.

Product Information

The WIN 3 Series Screen Ink is designed for primarily printing onto PU substrates.

The inks will dry to a film exhibiting good gloss, flexibility and excellent scuff and water resistance. These inks are not recommended for high frequency welding on printed area.

The SOP (Screen Operating Procedure) are recommended for optimum results.

SOP (Screen Operating Procedure)

The following sequence is recommended:

1. Flood coat
2. Print
3. Flood coat
4. Print
5. Flood coat
6. Dry print
7. Print
8. Flood coat
9. Dry print

Application Information

While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. See full disclaimer at end of document.

Mesh	43T – 120T Monofilament polyester mesh is recommended for most applications.
Stencil	All direct photo emulsions, photo stencil films and hand cut stencil films that are solvent resistant.
Squeegee	Sharp 70-80 durometer polyurethane blades as well as triple durometer blades that produce an even ink deposit.

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Coverage	15-40 Square metres/kilo depending upon mesh used and absorbency of substrate.
Reducer	D564-S189 WIN Series Reducer and N665-S307 Retarder.
Drying	<p>These inks dry by solvent evaporation. Air – dry will take 20-40 minutes for a single ink layer. On coarse materials, it is common to print 2-3 layers of inks. This will take many times longer to completely dry – do not confuse surface dry with through dry. Do not use heat gun to dry prints. Prints may be force dried between 300C - 650C in seconds. Good air circulation is necessary to remove vaporized solvents.</p> <p>Use minimum heat on multilayer prints to avoid trapping solvent on the lower layers.</p>
Storage	<p>For maximum shelf life, store ink in ambient temperatures of 15°C to 30°C. Ink taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink.</p> <p>Shelf life is 5 years from date of manufacture.</p>

General Guidelines

Ink Handling	All personnel mixing and handling inks must wear gloves and eye protection. Clean up spills immediately. If ink does come in contact with skin, wipe off with a clean, dry, absorbent cloth (do not use solvent or thinner). Wash and rinse affected area with soap and water. Consult the WIN 3 Series SDS for further instructions and warnings.
Storage	<p>Store tightly covered at temperatures between 15°C - 32°C. Ink taken from the press should not be returned to the original container. Store separately to avoid contaminating unused ink.</p> <p>Shelf life of unopened cans is 5 years from date of manufacture. Stir well before use.</p>

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caution

Please proof this ink, reduced to the consistency you wish to adopt, on a sample of the ACTUAL SUBSTRATE you will be printing BEFORE starting a production run.

Give the proof 24 hours to post cure then check for: Abrasion resistance, adhesion, print appearance and correctness of colour. The adequacy of this ink in these properties cannot be fully established on laboratory equipment on a small scale.

Keep away from heat and open flame. Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid prolonged breathing of vapour or spray mist. Keep container closed when not in use.

GL stands behind the quality of this product. GL cannot, however, guarantee the finished results because GL exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life cycle from printing, post-print processing, and shipment to end-use. This product has been specially formulated for screen printing, and it has not been tested for application by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from GL.

[end]

Last date amended: 7 February 2023