

Proteck III Process Inks

Code Ref: 443 | 445 | 446

technical information and application instructions

Substrates	Paper, cardboard.
End Uses	POP displays, posters, and outdoor billboards.

Product Information

Proteck III is an evaporation drying, 4 colour process screen ink recommended for a variety of board and paper stock. A sharp dot is obtained producing clearly defined pictures.

Proteck III is a semi-gloss finish poster ink, specially formulated for the printing of paper and cardboard for point of purchase, displays, as well as outdoor billboard application.

Proteck III is a development from the very successful Proteck Series and has a very highly structured body to improve dot sharpness. Equivalent Proteck III-line colours are available on special order.

Proteck III colours can be formulated for extended outdoor use on request – the print must be protected from rain.

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	90T or finer meshes are recommended.
Stencil	All direct photo emulsions, photo stencil films and hand cut stencil films that are solvent resistant.
Squeegee	70-80 durometer polyurethane blades as well as triple durometer blades that produce an even ink deposit.
Coverage	25 - 50 Square meters per kilo (100T - 120T mesh), depending on absorbency of substrate.
Drying	By solvent evaporation. Air-Dry in 20 to 40 minutes. May be jet-dried; cool temperatures are recommended to minimize paper shrinkage.
Thinners	N565-S350 IL & MK Thinners, N565-S352 IL182 Retarder or Universal Retarder D564-S064.
Clean Up	Screen wash N660-S344.

[continued...]

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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 Proteck III Series SDS for further instructions and warnings.
- Storage** 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.
- Shelf life of unopened cans is 5 years from date of manufacture. Stir well before use.

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