

79000 Series Corogloss Screen Ink

Code Ref: D434 | D439

technical information and application instructions

Substrates Treated polypropylene, corrugated/fluted rigid plastics typically known as Correx with a minimum treatment level of 45 dynes/cm.

A modification of the 79000 formulation is used on Priplak®.

End Uses Transportation graphics, real-estate, POP, and other outdoor signage.

Product Information

The 79000 Series Corogloss is a solvent-based screen ink formulated for applications on fluted or corrugated rigid polypropylene. Colours are formulated for extended outdoor use on request.

A modification of the 79000 formulation is used on Priplak® – standard Corogloss does not adhere to Priplak®.

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-120T monofilament polyester.

Stencil All direct photo emulsions, photo stencil films and hand cut stencil films that are solvent resistant.

Squeegee All direct photo emulsions, photo stencil films and hand cut stencil films that are solvent resistant.

Coverage 30-50 sqm/kilo depending on mesh used.

Printing 79000 Series should be thinned 10%-15% by weight with N665-S296 Thinner or N665-S295 Retarder or Universal Retarder D564-S064 to assure proper ink flow. The addition of too much retarder may slow drying and cause blocking problems in stacked prints. Always mix well prior to each use. To assure optimum adhesion, the plastic substrate should have a minimum surface treatment level of 45 dynes/cm². Pre-test adhesion before commencing bulk production. Also available D564-S016 Special Reducer and D564-S018 Special Retarder which offer better screen stability when temperatures are high.

Drying 79000 Series should be thinned 10%-15% by weight with N665-S296 Thinner or N665-S295 Retarder.

Clean Up Use Screenwash N660-S344.

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manufacturing under licence to NAZDAR

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Clears / Extenders / Additives

Mixing / Overprint Clear

D434-A170 Mixing/Overprint Clear may be used for overprinting, as a metallic mixing clear or Overprint Clear to reduce the density or opacity of a colour. (See metallic colours).

Metallic Colours

Metallic pigments may be added to the inks as a component of a colour match or to D434- A170 Mixing/Overprint Clear. Due to possible limited shelf life, only mix quantities of metallic ink needed for immediate use. Excessive amounts of metallic powder will degrade adhesion and the overall performance of the printed ink.

Adhesion Testing

Test adhesion as follows:

1. **Touch of ink surface** – The ink will be smooth and tack free.
2. **Thumb twist** – The ink surface will not mar or smudge.
3. **Fingernail scratch test** – Thoroughly dried ink will resist scratching.
4. **Cross hatch tape test** – Use a cross hatch tool or sharp knife to cut through the ink film only. Apply 3M #600 clear tape on cut area, rub down, wait 1 minute and rip off at a 180° angle. Ink should only come off from the actual cut areas.

Special Note: It is a common industry practice to re-use Correx sheeting on the reverse side. We caution that treatment levels will be low, particularly if the board was previously used outside. Poor adhesion can be expected.

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 79000 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.

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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