

Poly All Screen Ink

Code Ref: D404

technical information and application instructions

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| Substrates | Untreated polypropylene |
| End Uses | Has proven successful for transportation graphics, real-estate, POP, and other outdoor signage. |

Product Information

Poly-All Screen Ink has been designed specifically for screen printing on untreated polypropylene. Its unique formulation makes pre-treatment such as flaming or surface coating unnecessary. Poly-All will perform satisfactorily on most polypropylene surfaces. However, since there is considerable variation in the formulation of substrate materials, the user must always pre-test the specific substrate for adhesion and product resistance prior to a production run. Poly-All inks exhibit a semi-gloss finish. When thoroughly dried, Poly-All ink has very good flexibility and durability.

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.

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| Mesh | 90T-120T monofilament polyester. |
| Stencil | All direct photo emulsions, photo stencil films and hand cut stencil films that are solvent resistant. |
| Drying | <p>Poly-All will air dry in 20 minutes or may be force dried in 15-25 seconds at temperatures from 90°F to 150°F (32°C to 66°C).</p> <p>Poly-All should "age" a minimum of 72 hours for maximum adhesion.</p> <p>Good air circulation is necessary to remove the vaporized solvents. Multiple layers of inks may require longer drying times than a single layer.</p> |

Clears / Extenders / Additives

Mixing / Overprint Clear

Mixing clear / metallic mixing clear: Use D404-A016 Poly-All Clear to reduce the density of colours or as a clear base for specialty additives such as metallic powders.

[continued...]

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| Metallic Colours | Metallic pigments may be added to the inks as a component of a colour match or to D404-A016 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 | Cross hatch tape test – apply 3M#600 clear tape on cut area, rub down and rip off. Ink should only come off from actual cut areas. Fingernail scratch test – thoroughly dried ink will resist scratching. Touch of ink surface – the ink will be smooth and tack free. Thumb twist – the ink surface will not mar or smudge. |
| Clean Up | Use N665-S149 Poster Thinners or N660-S344 Screen Wash. |

General Guidelines

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| 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 Poly-All 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