

6009765KI Special Mirror Silver Screen Ink is a solvent-based ink for printing second surface on transparent polycarbonate and pre-treated polyester film. The ink film exhibits a mirror-like reflective surface when viewed through the top or first surface of the transparent film.

Printing the ink over other ink systems is not recommended. The thoroughly dried ink film may be overprinted with a clear, black or white for enhanced protection. Compatible Nazdar inks for overprinting are the 9700 Series Conventional All-Purpose Ink, the 3400 Series UV Nameplate Ink and 1500 UV Flexiform Ink.

SUBSTRATES Polycarbonate, pre-treated polyester

USER 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 the end of the document.

MESH 255-355 threads per inch (100-140 threads per centimeter) monofilament polyester mesh for most applications

STENCIL Solvent resistant direct emulsions and capillary films

SQUEEGEE 70-80 durometer polyurethane squeegee

COVERAGE 1800- 2500 square feet per gallon depending upon ink deposit

PRINTING Due to the higher viscosity of the 60009765KI Special Mirror Silver ink, the addition of 10% to 30% by weight RE180 Thinner or in combination with RE185 Retarder may be necessary for printability and on-screen stability. Adding small incremental amounts of fresh ink on the screen throughout the print run also helps maintain on-screen stability. Thoroughly mix the ink prior to printing. The ink must be mixed at low shear to prevent damaging the aluminum pigment.

Maintain ink temperatures at 65°-90°F (18°-32°C) for optimum print drying performance. Lower temperatures increase the ink viscosity, impairing both flow and drying. Elevated temperatures lower the ink viscosity, reducing print definition, film thickness and opacity.

Pretest to determine optimum printing performance for a particular set of ink, substrate, screen, press, and drying variables/conditions.

DRYING 60009765KI ink dries by solvent evaporation. The ink may be dried at room temperature or dried in a 140°F (60°C) oven for at least 15 minutes (drying time depends on mesh used and other factors affecting ink film thickness). Conveyor drying may also be used using temperatures at or below 140°F (60°C). The ink film must be dry to touch, after which time the ink film may be dried at higher temperature to speed up the drying. Drying at higher temperatures may affect the mirror-like appearance. The ink must be thoroughly dried for optimal properties. Due to varying ink deposits and production equipment, it is recommended that the printer evaluate the drying time and temperature that will allow the maximum reflectance for the specific application. Good air circulation is necessary to remove the vaporized solvents.

ADDITIVES Thinner: RE180 Thinner may be added up to 30% by weight.
Retarder: RE185 Retarder may be added up to 30% by weight.

OVERPRINT *Overprints:* The following Nazdar ink systems may be printed over a thoroughly dried 60009765KI ink film: 9700, 3400 or 1500. Refer to each ink system's Technical Data Sheet for more information regarding any of these inks. Overprinting with a clear or solid color ink will provide some protection to the metallic. Due to the pigment load and nature of metallic pigments, the 60009765KI may not exhibit satisfactory adhesion to the substrate and overprints may not pass cross hatch tape test.

CLEAN UP *Screen Wash (Prior to Reclaim):* Use IMS201 Premium Graphic Screen Wash.
Press Wash (On Press): Use IMS301 Premium Graphic Press Wash.

STORAGE Store tightly covered at temperatures between 65°-90°F (18°-32°C). Ink taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink.

GENERAL INFORMATION

INK HANDLING All personnel mixing and handling these products must wear gloves and eye protection. Clean up spills immediately. If ink does come in contact with skin, wipe ink off with a clean, dry, absorbent cloth (do not use solvent or thinner). Wash the affected area with soap and water. Consult the 60009765KI Material Safety Data Sheet for further instructions and warnings.

PRODUCT OFFERING

COLOR CARD MATERIALS *Special Effects Color Card:* CARDSPL shows the 60009765KI Special Mirror Silver Ink, Metallic, Pearlescent, Interference, Multi-Chromatic, Fluorescent, Phosphorescent effects and other specialty products.

PACKAGING 60009765KI is available in 1- kilogram and 1-gallon containers.

PACKAGING Cleaners are available in 1-gallon, 5-gallon and 55-gallon containers. Additives are available in 1-gallon containers.

Stock Number	Additive	Stock Number	Clean Up
RE180	Thinner	IMS201	Premium Graphic Screen Wash
RE185	Retarder	IMS301	Premium Graphic Press Wash

Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® 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 Nazdar®.

Based on information from our raw material suppliers, this product is formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

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