

The 60020573KI Special Etch-Resist Black Screen Ink has been formulated to print on nickel plated polyester films generally used for electronic applications.

SUBSTRATES Nickel plated 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 requirement. See full disclaimer at the end of the document.

MESH 255-420 threads per inch (100- 165 threads per centimeter) monofilament polyester mesh for most applications

STENCIL Solvent resistant direct emulsions and capillary films

SQUEEGEE 70 durometer polyurethane squeegee

COVERAGE 1000-2500 square feet per gallon depending upon ink deposit

PRINTING The 60020573KI Special Etch-Resist ink is formulated as a two-part system. The NB80 Adhesion Promoter needs to be added at 1 part to 9 parts ink by weight. To maintain on-screen stability, add additional ink in small increments throughout the print run. Thoroughly mix the ink prior to printing.

Pot life of the catalyzed mixture is from 4-8 hours.

Maintain ink temperature 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/ CURING Depending upon specific oven and curing conditions, this resist should cure at 200°F (93°C) from 10 to 60 minutes. Testing has to be performed using actual production equipment and conditions for acceptable ink film hardness.

Production environment and equipment differ from shop to shop; testing must be done before any production run.

Good air circulation is necessary to remove the vaporized solvents.

ADDITIVES All additives should be thoroughly mixed into the ink before each use.

Reducer: Use 60020572KS Special Etch-Resist Thinner to reduce the viscosity of the ink. Add up to 10% by weight. Thinner will reduce optical density. Do not use any other thinner with this etch-resist black ink.

CLEAN UP Screen Wash (Prior to Reclaim): Use IMS202 Universal Graphic Screen Wash or 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. Excess inks from the press and catalyzed ink mixtures must be disposed properly.

GENERAL INFORMATION**INK HANDLING**

All personnel mixing and handling this product 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 60020573KI Special Etch- Resist Black Screen Ink Material Safety Data Sheet for further instructions and warnings.

**ADHESION
TESTING**

Cross hatch tape test – use a cross hatch tool or a sharp knife to cut through ink film only; then apply 3M #600 clear tape on cut area, rub down, wait for 1 minute and rip off at a 180 degree angle. Ink should only come off in actual cut areas.

PACKAGING

The 60020573KI Special Etch-Resist Black ink is available in kilogram and gallon containers.

PACKAGING

Additives/Reducers are available in liter and/or gallon containers
Cleaners are available in 1-gallon, 5-gallon and 55-gallon containers.

Stock Number	Additives/Reducers	Stock Number	Clean Up
NB80	Adhesion Promoter (liters only)	IMS201	Premium Graphic Screen Wash
60020572KS	Special Etch-Resist Thinner	IMS202	Universal Graphic Screen Wash
		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, these products are formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

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