

2600 Series LED Graphic UV Screen Ink is formulated to cure using a LED output source at the 395 nanometers. This ink is for POS / POP graphic applications on a wide range of substrates used for indoor and outdoor advertising.

The use of LED curing systems rather than traditional mercury vapor curing units reduces energy costs, reduces heat within the curing process, and provides significantly longer lamp life.

SUBSTRATES Styrene, most rigid and flexible vinyl, static cling vinyl, rigid and flexible treated polyethylene, rigid and flexible treated polypropylene, treated fluted polypropylene, PETG, coated paper, coated card stock and some acrylic.

Note: The surface tension for polyethylene and polypropylene substrates should be at or above 44 dynes/cm.

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 355-420 tpi (140-165 tpcm) monofilament polyester mesh for most applications

STENCIL Solvent resistant, UV ink compatible direct emulsions and capillary films

SQUEEGEE 70-90 durometer polyurethane squeegee

COVERAGE 3,200-4,200 square feet (295-390 square meters) per gallon depending upon ink deposit

PRINTING 2600 Series LED Graphic UV Screen Ink is formulated to be press ready. Thoroughly mix the ink prior to printing.

Maintain ink temperature at 65°-90° F (18°-32° C) for optimum print performance. Lower temperatures increase the ink viscosity, impairing both flow and cure. 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 curing variables/conditions.

CURE PARAMETERS 2600 Series LED Graphic UV Screen Ink cures when exposed to LED curing unit:

- 4 w/cm² or higher cure unit
- 395 nanometer wavelength
- At or less than 4mm distance from substrate to cure unit
- Belt speed at or less than 50-100 ft/min (15-30 m/min) depending on color

It is suggested to expose the print to heat for 1-2 seconds prior to curing to increase the speed of curing.

These guidelines are intended only as a starting point for determining cure parameters, which must be determined under actual production conditions. "Undercuring" the ink may result in poor adhesion, lower block resistance, and higher residual odor.

CLEAN UP Screen Wash (Prior to Reclaim): Use IMS203 Economy Graphic Screen Wash or IMS207C Graphic Recirculating 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

Wear gloves and barrier cream to prevent direct skin contact. Safety glasses are suggested in areas where ink may be splashed. If ink does come in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent or reducer). Wash the affected area with soap and water. Consult the 2600 Series LED Graphic UV Screen Ink Material Safety Data Sheet for further instructions and warnings.

The 2600 Series LED Graphic UV Screen Ink is a one-part, 100% solids UV-curable screen printing ink which does not contain N-vinyl-2-pyrrolidone (trade name V-Pyrol®).

ADHESION TESTING

1. Touch of ink surface – the ink surface should not mar.
2. Thumb twist – the ink surface will not smudge significantly.
3. 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.

PRODUCT OFFERING

PACKAGING

All items listed below are non-inventoried items and may require additional lead time. These items are available in gallon containers.

Item Number	Item Description	Item Number	Item Description
2610	LED GR Primrose Yellow	26358	LED GR Tinting White
2619	LED GR Fire Red	26359	LED GR Tinting Black
2626	LED GR Mixing Clear	26360	LED GR Orange
2627	LED GR Overprint Clear	26361	LED GR Yellow
2678	LED GR High Intensity White	26362	LED GR Warm Red
2679	LED GR High Intensity Black	26363	LED GR Rubine Red
		26364	LED GR Rhodamine Red
26HTEX	LED GR Halftone Extender Base	26365	LED GR Purple
26HTC	LED GR Halftone Cyan	26366	LED GR Violet
26HTM	LED GR Halftone Magenta	26367	LED GR Reflex Blue
26HTY	LED GR Halftone Yellow	26368	LED GR Process Blue
26HTBK	LED GR Halftone Black	26369	LED GR Green

PACKAGING Cleaners are available in 1 kilo and gallon containers.

Stock Number	Cleaners	Stock Number	Cleaners
IMS203	Economy Graphic Screen Wash	IMS301	Premium Graphic Press Wash
IMS207C	Graphic Recirculating 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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