

Nazdar 260 Series Inks are general graphic inks designed to be run in DX-4 and DX-5 printhead, LED curing printers at normal conditioned room temperatures. The inks exhibit excellent adhesion and flexibility on a variety of typical Point of Purchase (POP) substrates.

## Primary Features & Substrates

### Features

- Formulated for use in flexible applications
- Excellent resistance to edge chipping on styrene, foamboard and fluted polypropylene materials when used with a knife or router cutter.
- Long term exterior performance with proven resistance to the effects of UV degradation and color fade.
- High impact, high intensity colors with extended color gamut
- Consistent color density values
- Adhesion on a variety of flexible and rigid substrates

### Substrates

- Reinforced vinyl banner and pressure sensitive vinyl.
- Styrene
- Coated Paper
- Digital Grade Fluted polypropylene
- Foamboard
- Digital Grade Polycarbonate

Adhesion should always be tested as adhesion does depend upon curing conditions, age and manufacturer of substrate. Adhesion may be improved when the substrate is cleaned with a suitable solvent such as isopropanol.

### Ink Handling

All personnel mixing and handling these products must wear gloves and eye protection. Clean up all spills immediately. If ink does come in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent or flush solution). Wash the affected area with soap and water. Consult the Nazdar® 260 Series Material Safety Data Sheet for further instructions and warnings.

### Ink Changeover Options

Avoid contact with skin. Wear protective safety glasses and appropriate gloves when handling flush solution. Consult MSDS for proper

procedures for using Flush solution. Check and replace dampers and/or filters where necessary.

### Roland EcoUV Cartridge Replacement

For users of Roland EcoUV inks, the cartridges can be swapped out one at a time as the OEM cartridges become empty. Should there be a desire to replace all the cartridges at the same time, a user can simply replace all the cartridges and perform two to three ink fills. Should there be a desire to replace all the cartridges at the same time and flush the printer; a 220ml flush cartridge will be required for each channel. If the system is flushed we also recommend changing the ink dampers after the installation of the new ink. After performing two to three ink fills with the flush, install the LED260 cartridges and perform two to three ink fills to clear the flush from the lines.

### Small Format UV-LED Equipment

For printers that use an ink-tank system, thoroughly clean your current ink system and jet assemblies with LWU7001FF UV Flush Solution according to the instructions from the printer manufacturer before installing Nazdar ink.

When UV inkjet equipment is not in use for extended periods of time the ink should be flushed from the printheads to avoid unwanted curing from stray light sources that can cause permanent printhead damage.

### Curing Parameters

Nazdar® 260 Series Inks are formulated to cure when exposed to a LED light source in the 395 nanometer range with output of at least 2 watts/cm<sup>2</sup>.

### Clean Up

For clean-up of ink spills and equipment use LWU7001FF UV Maintenance Solution. Avoid contact with skin. Wear approved safety glasses and appropriate gloves when using Maintenance Solution. Consult MSDS for further safety precautions.

## Storage/Shelf Life

Store ink and flush solutions at 18° - 27° C (65° - 80° F). Ink and flush solutions should always be kept away from heat, sparks, and flames. If stored at a different temperature, the ink should be allowed to reach room temperature before calibration or printing. The shelf life of this product is 12 months\* from the date of manufacture when stored under prescribed conditions.

\*White, when packaged in a cartridge has a shelf life of 6 months from the date of manufacture when stored under prescribed conditions.

## Ink Performance

### Outdoor Durability

When Nazdar® 260 Series Inks are used with the proper color management, color variance will be minimal over a period of 24 months vertical outdoor exposure. Outdoor durability is based on actual outdoor weather testing in the central U.S. on statically mounted substrates. Results for regions with extreme weather conditions or applications other than static signage may vary significantly and should be tested by the end user.

To ensure Nazdar® 260 Series Ink density and hue values do not change during outdoor exposure, it is important to use proven substrates (flexible vinyls and pressure sensitive vinyls) that do not "yellow" or vary from their original white cast when exposed outdoors.

### Environmental Operating Parameters

Temperature:

- 66° F – 80° F [19° C – 27° C]

Humidity:

- Optimum: 40% - 60% (non-condensing)
- Operational: 30% - 70% (non-condensing)

## Validated Equipment

Nazdar® 260 Series Inks are designed for use in the following printer platforms:

- Roland LEC and LEJ UV Printers using the original EcoUV inks (version 1 & 2). (Note: These inks are not compatible with the EcoUV-S or EcoUV-4 ink sets.)
- Small format UV-LED printers using non-heated Epson DX-4 or DX-5 print heads.

## Manufacturers Product Offering

All colors listed in the table below are available in 1 liter and 500ml bottles as well as 220 ml cartridges with the exception of light cyan and light magenta, which are only offered in 1 liter or 500ml bottles. Flush solutions are available in 1 liter containers and 220 ml cartridges.

### Inks

Item Number	Color
LED260CY	Cyan
LED260MA	Magenta
LED260YE	Yellow
LED260KK	Black
LED260CL	Light Cyan
LED260ML	Light Magenta
LED260WH	White
LED260NC	Clear

### Flush

Item Number	Color
LWU7001FF	UV Maintenance Solution

## Nazdar Quality Statement

Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® exercises no control over individual operating 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 digital printing, and it has not been tested 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.

# Nazdar 260 Series UV-LED Inkjet

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