

**Primary uses of this product are for POP displays, durable graphics and billboard banners where flexibility is of primary importance. Typical substrates are vinyl banner, pressure sensitive vinyl, styrene, polycarbonate, coroplast and foamboard.**

## 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
- fluted polypropylene
- Foamboard
- 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<sup>®</sup> [7450 Series Material Safety Data Sheet](#) for further instructions and warnings.

### Ink Changeover

Thoroughly clean your current ink system and jet assemblies with LWU7001FF UV Flush Solution. 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, clean and replace, where necessary, mesh filters at the base of primary ink tanks. Complete conversions procedures available upon request.

When UV digital 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<sup>®</sup> 7450 Series Inks are formulated to cure when exposed to a focused, medium pressure mercury vapor lamp providing 225 – 300 mJ/cm<sup>2</sup> and 600 mW/cm<sup>2</sup>. (EIT Uvicure Plus radiometer, measuring the UVA spectrum)

### 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.

### Ink Performance

#### Outdoor Durability

When Nazdar<sup>®</sup> 7450 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

# Nazdar 7450 Series UV Inkjet

applications other than static signage may vary significantly and should be tested by the end user.

To ensure Nazdar® 7450 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)

## 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.

## Validated Equipment

Nazdar® 7450 Series Inks are designed for use in the following printer platforms:

- Printers that require an ink with a higher than average viscosity.

## Manufacturers Product Offering

All colors listed in the table below are available in 1 and 5 liter containers. All flush solutions are available in 1 and 5 liter containers. Contact your Nazdar distributor for product availability and offering.

### Inks

Item Number	Color
LWU7450CY	Cyan
LWU7450MA	Magenta
LWU7450YE	Yellow
LWU7450KK	Black
LWU7450LC	Light Cyan
LWU7450LM	Light Magenta
LWU7450WH	White

### Flush

Item Number	Color
LWU7001FF	UV Maintenance Solution

## Nazdar Ink Technologies Offices Worldwide

**Nazdar Ink Technologies** -World Headquarters  
8501 Hedge Lane Terrace  
Shawnee, KS 66227-3290 USA  
Toll Free US: 866-340-3579  
Tel: +1 913-422-1888  
Fax: +1 913-422-2296  
E-mail: [custserv@nazdar.com](mailto:custserv@nazdar.com)  
Technical Support E-mail: [InkAnswers@Nazdar.com](mailto:InkAnswers@Nazdar.com)

**Nazdar Limited** – England  
Barton Road, Heaton Mersey  
Stockport, England SK4 3EE  
Tel: + (44) 0-161-442-2111  
Fax: + (44) 0-161-442-2001  
UK Technical Service E-mail: [technicalservicesuk@nazdar.com](mailto:technicalservicesuk@nazdar.com)

**Nazdar** – China  
Room 17-04, Silver Centre  
1388, North Shan Xi Road  
Shanghai 200060 China  
Tel: 86-13818301261  
E-mail: [aspac@nazdar.com](mailto:aspac@nazdar.com)

**Nazdar** – Asia Pacific  
11, Changi North Street 1 #03-03/04  
Singapore 498823  
Tel: +65-6385 4611  
E-mail: [aspac@nazdar.com](mailto:aspac@nazdar.com)