

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, digital grade fluted polypropylene, 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
- Digital grade 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[®] [749 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[®] 749 Series Inks are formulated to cure when exposed to a focused, medium pressure mercury vapor lamp providing 225 – 300 mJ/cm² and 600 mW/cm². (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 the 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[®] 749 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® 749 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® 749 Series Inks are designed for use in the following printer platforms:

- Agfa/Gandi Jeti 1224, 3150, 3348, 5024, and 5048 RTR
- Durst Rho 160, 205, 500r, 600, 800
- HP/NUR Tempo I, II, and Q
- HP/NUR Expedio and Revolution
- HP/Scitex XP2700, XP2750, XP5000, XP5100, XP5300, FB6100, TurboJet
- Inca Onset S-20 and S-40

Manufacturers Product Offering

All colors listed in the table below are available in 1 and 5 liter containers as well as a new 8 liter twin pack for Durst installations. All flush solutions are available in 1 and 5 liter containers.

Inks

Item Number	Color
LWU749CY	Cyan
LWU749MA	Magenta
LWU749YE	Yellow
LWU749KK	Black
LWU749LC	Light Cyan
LWU749LM	Light Magenta
LWU749WH	White

Flush

Item Number	Color
LWU7001FF	UV Maintenance Solution

Ancillary Products

Adhesion Promoters/Primers

Nazdar offers a variety of adhesion promoters that can help with difficult to adhere to substrates. The table below is a guide for selecting the correct product for your application. Please refer to our technical data sheets for the primary substrates for each ink as in many cases a primer is not needed at all.

Substrate	Nazdar 7020	Nazdar 7025	Nazdar 7030
Styrene	✓✓✓✓✓	NA	✓✓✓✓✓
Coated Alumapanel	NA	✓✓✓✓	NA
Fluted Polypropylene	✓✓✓	✓	NA
Acrylic	✓✓	✓	✓✓✓
Lexan	✓✓✓	✓✓✓✓	✓✓✓✓✓
Glass	✓✓✓	✓✓✓✓	NA

Overprint Clears

The following Nazdar® screen print clear products have been approved for use with the 749 Series Ink.

Item Number	Color
1827	1827 Overprint Clear
1927	1927 Overprint Clear
2326	2626 Mixing Clear
2727	2727 Overprint Clear
223900RP	2-Part Urethane Clear
3227	3227 Overprint Clear
4029	4029 Premium OP Clear
NSC64	NSC64 OP Clear
PSLC294	PSLC294 UV Litho Clear (indoor applications only)
DCA51	CDA51 Gloss Topcoat Clear

Backing Screen Print White

The following Nazdar® screen print white ink products have been approved for use with 749 Series Inkjet ink.

Item Number	Color
1875	1875 Super Opaque White
1878	1878 High Intensity White
2775	2775 Super Opaque White
4050	4050 Barrier White
4075	4075 Super Opaque White
4078	4078 High Intensity White

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