

Primary uses of this product are for POP displays, durable graphics and banners where color fidelity and adhesion are of primary importance. Typical substrates for this graphic ink are: acrylics, styrene, Dibond, foam boards, Sintra, rigid and flexible vinyl, rigid PVC, pressure sensitive banner, blue-back paper, and window cling.

Primary Features & Substrates

Features

- Formulated for use in multiple applications with adhesion to a wide variety of flexible and rigid substrates.
- Excellent resistance to edge chipping on rigid substrates when used with a knife or router cutter
- Resists degradation by the most common double sided adhesives used in 2nd surface applications (3M[®] 467MP)
- Allows adhesion of poster glues typically used in multi-layer billboard applications
- 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
- Heat Bendable

Substrates

- Acrylics
- Reinforced vinyl banner, pressure sensitive vinyl, and window cling
- Styrene
- Rigid Polyethylene
- Fluted Polypropylene
- Foamboard
- Polycarbonate
- Teslin[®] Synthetic Paper
- Blue Back poster paper

Adhesion should always be tested as adhesion does depend upon curing conditions, age and manufacturer of substrate.

Ink Handling

All personnel mixing and handling this product 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[®] [720 Series 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 SDS for proper procedures for using Flush solution. Complete conversions procedures available upon request.

When UV inkjet equipment is not in use for extended periods of time the ink should be flushed from the printheads to avoid unwanted in-head curing from stray light sources.

Curing Parameters

Nazdar[®] 720 Series Ink has been 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.

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[®] 720 Series Ink is 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 720 Series UV Inkjet



v 9.0 EN

Ref: v9.0 EN

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

To ensure Nazdar® 720 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:

- 65 ° F – 80 ° F [18 ° 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 inkjet 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® 720 Series Ink has been validated for use in the following printer platforms:

- Durst Rho 800
- Inca Onset S-20 (w/o autoloader)
- Inca Spyder
- Agfa/Gandi Jeti 1224 UV
- HP Scitex FB6100
- NUR Tempo Q
- Jetrix 2030FRK
- Polytype Virtu RS-35
- CET Color X-Series (Polaris)

Manufacturers Product Offering

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

Inks

Item Number	Color
LWU720CY	Cyan
LWU720MA	Magenta
LWU720YE	Yellow
LWU720KK	Black
LWU720CL	Light Cyan
LWU720ML	Light Magenta
LWU720OR	Orange
LWU720YL	Light Yellow
LWU720KL	Light Black
LWU720NC	Clear
LWU720WH	White
LWU720GR	Green
LWU720VT	Violet
SPECIAL ORDER NON-STOCK COLORS	
LWU720HDCY	High Density Cyan
LWU720HDMA	High Density Magenta
LWU720HDYE	High Density Yellow
LWU720HDKK	High Density Black
LWU720HDOR	High Density Orange

Flush

Item Number	Color
LWU7001FF	UV Maintenance Solution

UV Inkjet

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 720 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)

*Nazdar 4029 Premium Overprint Clear has shown to be the superior choice for protecting the 720 Series inks. Accelerated weather testing in a Xenon weathering chamber showed excellent results up to 2500 hours.

Backing Screen Print White

The following Nazdar® screen print white ink products have been approved for use with 720 Series Inkjet ink.

Item Number	Color
1875	1875 Super Opaque White
1878	1878 High Intensity White
1950	1950 Barrier White
1975	1975 Super Opaque White
1978	1978 High Intensity White
2378	2378 High Intensity White
2775	2775 Super Opaque White
3478 w/catalyst	3478 with 5% NB80
4050	4050 Barrier White
4075	4075 Super Opaque White
4078	4078 High Intensity White

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