

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, pressuresensitive banner, blue-back paper, and window cling.

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
- 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
- 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

Substrates

Acrylics
Reinforced vinyl banner
Pressure sensitive vinyl (PVC)
Window cling
Styrene (PS)
Rigid Polyethylene (PE)
Fluted Polypropylene (PE)
Foamboard
Polycarbonate (PC)
Blue back paper
Teslin® Synthetic Paper

Substrate recommendations are based on commonly available materials intended for the ink's specific market when the inks are processed according to this technical data. 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. Reference the 'Quality Statement' at the end of this document.

Cure Parameters

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)

Ink Handling

All personnel 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 Safety Data Sheet for further instructions and warnings.

Ink Changeover

Thoroughly clean your current ink system and jet assemblies with LWU7002FF 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. 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.

Cleanup

For clean-up of ink spills and equipment use LWU7002FF 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.

General Information

Weathering / Outdoor Durability

When ink series 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 applications other than static signage may vary significantly and

should be tested by the end user.

To ensure 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 Operations Parameters

Temperature:

- 65° F – 80° F [18° C – 27° C]

Humidity:

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

use of this product falls outside of the recommended parameters, possible overspray, erratic static, banding and/or dropout could occur.

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.

Standard Color Range

Based on information from our raw material suppliers, these ink products are formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

Packaging / Availability

Contact your Nazdar distributor for product availability and offering.

Validated Equipment

Series Inks are designed for use in the following printers 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)

Manufacturer's Product Offering

Inks are packaged in black 1-liter and 5-liter opaque containers

Item Type	Item Number	Item (or Color) Description
Standard Colors	LWU720CY	Cyan
Standard Colors	LWU720MA	Magenta
Standard Colors	LWU720YE	Yellow
Standard Colors	LWU720KK	Black
Standard Colors	LWU720LC	Light Cyan
Standard Colors	LWU720LM	Light Magenta
Standard Colors	LWU720OR	Orange
Standard Colors	LWU720YL	Light Yellow
Standard Colors	LWU720KL	Light Black
Standard Colors	LWU720NC	Clear
Standard Colors	LWU720WH	White
Standard Colors	LWU720GR	Green
Standard Colors	LWU720VT	Violet
	SPECIAL ORDER NON-STOCK COLORS	
Non-Standard Colors	LWU720HDCY	High Density Cyan

Nazdar 720 Series UV Inkjet Ink



Non-Standard Colors	LWU720HDMA	High Density Magenta
Non-Standard Colors	LWU720HDYE	High Density Yellow
Non-Standard Colors	LWU720HDKK	High Density Black
Non-Standard Colors	LWU720HDOR	High Density Orange
Flush	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 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®.

Nazdar Ink Technologies Offices

Nazdar Ink Technologies - World Headquarters
 8501 Hedge Lane Terrace
 Shawnee, KS 66227-3290 USA
 Toll Free US: 866-340-3579
 Tel: +1 913-422-2255
 Fax: +1 913-422-2296
 Customer Service E-mail: NazdarOrders@nazdar.com
 Technical Support E-mail: TechSupport@Nazdar.com

Nazdar Limited – EMEA
 Battersea Road, Heaton Mersey
 Stockport, England SK4 3EA
 Tel: + 44 (0)-161-442-2111
 Fax: + 44 (0)-161-442-2001
 EMEA Customer Service E-mail: infoUK@nazdar.com
 EMEA Technical Service E-mail: technicalservicesUK@nazdar.com

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