

Nazdar 710 Series UV-LED Inkjet Ink

Primary uses of this product are for UV-LED cured 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, 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
- Formulated for use in LED curing printers.

Substrates

Acrylics
Rigid Polyethylene (PE)
Fluted Polypropylene (PE)
Foamboard
Polycarbonate (PC)
Window cling
Styrene (PS)

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 series has been formulated to cure when exposed to a 395 nanometer, 4 watt or higher dual UV-LED lamp system.

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 MSDS for proper procedures for using Flush solution.

Cleanup

For clean-up of ink spills and equipment use LWU7002F 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

Handling

Refer to the SDS for recommendations on handling.

Wear gloves and barrier cream to prevent direct skin contact. Safety glasses are suggested in areas where ink may be splashed. If product does come in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent or reducer). Wash the affected area with soap and water.

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

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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)

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

Ink series requires validation for warranty coverage. As printer models become validated, this section will be amended to include the specific makes and models.

Manufacturer's Product Offering

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

Item Type	Item Number	Item (or Color) Description
Clears / Varnishes	1827	1827 Overprint Clear
Clears / Varnishes	1927	1927 Overprint Clear
Clears / Varnishes	2326	2626 Mixing Clear
Clears / Varnishes	2727	2727 Overprint Clear
Clears / Varnishes	223900RP	2-Part Urethane Clear
Clears / Varnishes	3227	3227 Overprint Clear
Clears / Varnishes	4029*	4029 Premium OP Clear*
Clears / Varnishes	NSC64	NSC64 OP Clear
Clears / Varnishes	PSLC294	PSLC294 UV Litho Clear(indoor applications only)
Backing Screen Print White	1875	1875 Super Opaque White
Backing Screen Print White	1878	1878 High Intensity White
Standard Colors	1950	1950 Barrier White
Standard Colors	1975	1975 Super Opaque White
Backing Screen Print White	1978	1978 High Intensity White
Backing Screen Print White	2378	2378 High Intensity White
Backing Screen Print White	2775	2775 Super Opaque White
Backing Screen Print White	3478 w/catalyst	3478 with 5% NB80
Backing Screen Print White	4050	4050 Barrier White
Backing Screen Print White	4075	4075 Super Opaque White
Backing Screen Print White	4078	4078 High Intensity White
Standard Colors	LWU710CY	Cyan
Standard Colors	LWU710MA	Magenta
Standard Colors	LWU710YE	Yellow
Standard Colors	LWU710KK	Black
Standard Colors	LWU710LC	Light Cyan
Standard Colors	LWU710LM	Light Magenta
Standard Colors	LWU710NC	Clear

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Standard Colors	LWU710WH	White
Standard Colors	LWU7002FF UV	7002 Maintenance Fluid

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.

Substrate	Nazdar 7020	Nazdar 7025	Nazdar 7030
Styrene	XXXXX	N/A	XXXXX
Coated Alumapanel	N/A	XXXX	N/A
Fluted Polypropylene	XXX	X	N/A
Acrylic	XX	X	XXX
Lexan	XXX	XXXX	XXXXX
Glass	XXX	XXXX	N/A

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®.

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