

Primary use of this product is for fluted polypropylene signage where substrate adhesion is of primary importance. Other substrates that can be used with LWU7470 are: styrene, digital grade acrylics, foamboard, and digital grade painted metals.

Primary Features & Substrates

Features

- Formulated for use on fluted polypropylene and other rigid substrates.
- Excellent resistance to edge chipping on styrene, 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 rigid substrates

Substrates

- Fluted polypropylene
- Styrene
- Foamboard
- Digital grade acrylics
- Digital Grade painted metal

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[®] [7470 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[®] 7470 Series Inks are formulated to cure when exposed to a focused, medium pressure mercury vapor lamp providing 225 – 250 mJ/cm² and 500 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[®] 7470 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.

Nazdar 7470 Series UV Inkjet

To ensure Nazdar[®] 7470 Series Ink density and hue values do not change during outdoor exposure, it is important to use proven substrates 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[®] 7470 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, 600
- HP/NUR Tempo I, II, and Q
- HP/Scitex FB6100
- DuPont Cromaprint 22UV
- CET Xpress 500 (Spectra heads)

Note: Nazdar 7470 is not compatible with printers using Ricoh printheads.

Nazdar 7470 Series UV Inkjet

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
LWU7470CY	Cyan
LWU7470MA	Magenta
LWU7470YE	Yellow
LWU7470KK	Black
LWU7470LC	Light Cyan
LWU7470LM	Light Magenta
LWU7470LY	Light Yellow
LWU7470LK	Light Black
LWU7470WH	White

Flush

Item Number	Color
LWU7001FF	UV Maintenance Solution

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Digital UV Inkjet