

Nazdar 291 Series inks have been designed as a direct replacement of the Fujifilm® KI inks in use in the Acuity® printer platform. The 291 Series inks are compatible with the OEM product and can be replaced one color at a time as the OEM inks run out. The 291 Series has a comparable substrate range to the OEM inks with the noted addition of improved adhesion to Dibond and much improved adhesion to acrylics.

Primary Features & Substrates

Features

- Chemically compatible with the OEM inks for true plug-and-play compatibility
- Close color match to the OEM ink set
- Formulated for use in both flexible and rigid applications
- 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.
- Nazdar 291 is not compatible with printer models that use 800ml bags.

Substrates

- Acrylics*
- Vinyl banner
- Pressure sensitive vinyl
- Styrene/Polystyrene
- Rigid Polyethylene
- Dibond
- Expanded PVC
- Foamboard

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

*White may exhibit different adhesion on acrylics

Color Match Statement

The Nazdar 291 Series inks have been designed to be as close a color match as possible to the OEM inks while still adhering to the most recent regulatory standards and giving better overall adhesion performance. The ink set is considered “plug-and-play” in a sense that they can be installed directly behind the OEM inks without the need to flush. Please review the following three scenarios to determine which installation method is best for your printer:

- **Plug & Play - Inks can be replaced one color at a time as the OEM inks become empty.** This method is best for shops that print pleasing color and do not have a great deal of repeat jobs. Depending on the sequence in which the colors are replaced, you may see slight shifts in some colors until all the Nazdar inks are installed; at which time the prints will be a very close match to the original inks.
- **Plug & Prime - All the colors can be replaced at the same time.** If your work has no tolerance for slight shifts as the new ink is installed, it is best to install all of the colors at once and prime the printer with a bit of ink (purge through 200ml). The final set will be a very close match to the OEM ink set.
- **Plug & Profile - All the colors are replaced with a re-profiling of the printer.** If your shop has multiple devices that are all profiled to match a specific target (a proof for example), it is best to install all the colors, prime the printer, and re-profile to your specific target.

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 [291 Series Safety Data Sheet](#) for further instructions and warnings.

Curing Parameters

Nazdar 291 Series Ink has been formulated to cure with the standard OEM lamps found on the Fujifilm® Acuity® equipment.

Ink Changeover

Nazdar 291 Series inks are designed to be a direct replacement of the OEM ink and can be installed directly behind an ink bag that has become empty. Install 291 the same way that you would normally add a fresh bag of ink, paying attention to the placement of the RFID sticker. RFID placement instructions are included in the ink package.

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 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 291 Series Ink is used with the proper color management; color variance is estimated to be minimal over a period of 24 months vertical outdoor exposure. Our data 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 291 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 291 Series Ink has been designed for use in the following printer platforms:

- Fujifilm® Acuity® printers that are currently using the **Sericol KI** ink set in 2 liter bags.

Manufacturers Product Offering

The items listed in the following tables are available in 2 liter bags configured to fit into the Fujifilm® Acuity® printers. White is available as a 1 liter bag. Contact your Nazdar distributor for product availability and offering.

Inks for Acuity printers using 2 liter bags

Item Number	Color
LWU291CY	Cyan
LWU291MA	Magenta
LWU291YE	Yellow
LWU291KK	Black
LWU291WH	White

Maintenance and Cleaning Solution

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

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