Technical Data Sheet

Nazdar 706 V2 Series UV-LED

v 3.0 EN

Ref: v2.0 EN

Nazdar 706 V2 Series inks have been designed as a direct replacement of the Mimaki® LUS120 Series inks series. The hybrid set is used in the roll-to-roll and flatbed series machines. The 706 V2 Series inks are compatible with the OEM product and can be replaced one color at a time as the OEM inks run out. The 706 Series has a comparable substrate range to the OEM inks. The V2 inks offer SVHC Free formulations with improved water resistance and closer color match to the OEM inks.

Primary Features & Substrates

Features

- Chemically compatible with the OEM inks for true plug-and-play
- Close color match to the OEM ink set
- Highly flexible
- Long term exterior performance with proven resistance to the effects of UV degradation and color fade.
- 1L container threading designed for Mimaki® Cap B
- Compatible chip for LUS120 series
- SVHC Free
- Enhanced Water-Resistance

Substrates

- Vinyl banner
- Pressure sensitive vinyl
- Window Cling
- Polyester Film
- Coated Papers
- Backlit Fabrics
- Polystyrene
- Dibond ®
- Expanded PVC
- Polycarbonate
- Foamboard

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

Color Match Statement

The Nazdar 706 V2 Series inks have been designed to be as close a color match as possible to the OEM inks (Mimaki® LUS120) while still conforming 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 print facilities 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 colors 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 250ml). The end result 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 facility 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 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). Wash the affected area with soap and water. Consult the Nazdar 706 V2 Series Safety Data Sheet for further instructions and warnings.

Curing Parameters

Nazdar 706 V2 Series Ink has been formulated to cure with the standard OEM LED lamps found on the Mimaki® UJV55, JFX200 series, UJF series and SIJ-320uv machine

UV Inkjet

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Ink Changeover

Nazdar 706 V2 Series inks are designed to be a direct replacement of the OEM ink and can be installed directly behind an empty bottle. Install 706 the same way that you would normally add the 1L bottle to the system. The replacement chip is coded and used the same as the OEM.

If a bulk tank system, we do not recommend you install new Nazdar ink until the low ink level alarm has been raised. Prior to filling, we recommend you dispose of the OEM inks and clean the tanks with our recommended LWU7002FF UV Maintenance Solution. This will ensure a fresh start, much like installing the 1-liter options.

Clean Up

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

Storage/Shelf Life

Store ink at 18˚ - 27˚ C (65˚ - 80˚ F). Ink 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 installing. The shelf life of this product is 12 months from the date of manufacture when stored under prescribed conditions.

Outdoor Durability

When Nazdar 706 V2 Series Ink is used with the proper color management; color variance will be minimal over a period of 24 months vertical outdoor exposure. 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 minimize Nazdar 706 V2 Series Ink change in density and hue values 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 706 Series Ink has been validated for use in the following printer platforms:

- Mimaki® UJV55-320
- Mimaki® UJF-6042mkII
- Mimaki® JFX200-2513
- Mimaki® SIJ-320uv

UV Inkjet

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Manufacturers Product Offering

The items listed in the below table are available in 1-liter containers configured to fit the Mimaki® Cap B bottle adaptor.

Maintenance solution is available in standard 1-liter containers. Contact your Nazdar distributor for product availability and offering.

Inks

Item Number	Color
LWU706V2CY	Cyan
LWU706V2MA	Magenta
LWU706V2YE	Yellow
LWU706V2KK	Black
LWU706V2CL	Light Cyan
LWU706V2ML	Light Magenta
LWU706V2WH	White
LWU706NCCHP	*Clear (Chip Only)

*Nazdar does not manufacture a clear ink option currently. We do offer the chip to complete the ink set.

Maintenance Solution

Item Number	Color
LWU7002FF	UV 7002 Maintenance Solution

Adhesion Promoters

Nazdar offers a variety of wipe-on adhesion primers 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.

Note: Although we have not tested our primers with this series ink, the historical use of these primers with a variety of our ink series does show an improvement.

Substrate	Nazdar 7020	Nazdar 7025	Nazdar 7030	Nazdar 7035
Styrene	✓✓✓✓✓	NA	✓✓✓✓✓	N/A
Coated Alumapanel ®	N/A	✓✓✓✓	N/A	N/A
Fluted Polypropylene	✓✓✓	✓	N/A	N/A
Acrylic	✓✓	✓	✓✓✓	N/A
Lexan	✓✓✓	✓✓✓✓	✓✓✓✓✓	N/A
Glass	✓✓✓	✓✓✓✓	N/A	✓✓✓✓✓

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