Nazdar 759 Series UV Inkjet

V 1.0 EN

A dual cure, UV/LED ink series designed for hybrid print applications in durable graphics and display. Highlighting a low odor, excellent flexibility, and improved surface hardness by comparison to our historic ink lines.

Features

- Designed for hybrid inkjet applications
- Curable by UV (Hg) and LED
- For heated / temperature controlled printhead heads & ink systems
- Excellent flexibility, folding and creasing characteristics
- Improved surface hardness

Substrate	Score
PSV - 3M IJ180-10C	
PSV - Calendard	
Fluted Polypropylene	
Polystyrene - HIPS	
Polystyrene – Primex	
Polystyrene – Styrex	
Acrylic - Optix DA	
Acrylic	
Coated Metal	
Banner Vinyl - Scrimm	
Banner Vinyl - Smooth	
Polycarbonate	
PVC - Sintra	
Glass	

Green – Excellent
Yellow – Good
Red – Recommending adhesion promoter

Our information and advice on use is provided in good faith; the user is responsible for testing to determine that our product will perform as expected for the life cycle of the product. Due to variations in individual printing conditions and production procedures, we are unable to guarantee the finished results.

Viscosity

This viscosity of this series is designed to fit many printheads requiring a 10 – 12 cPs ink at 45^{0}C. Please contact InkAnswers@nazdar.com if a certificate of analysis is required for verification when needed.

Curing Parameters

The 759 series ink can cure by UV (standard Hg and Iron additivie) and LED. Based off our lab studies, we would recommend:

Recomended for LED:

- 4 W/cm^2 or higher
- 395 nanometer wavelength

Recommended for Conventional UV:

- Mercury (Hg) and iron additive bulb
- Minimum of 500 mW/cm^2

Symptoms of undercuring the ink may result in poor adhesion, lower block resistance, and higher residual odor.

Surface Tension

The surface tension naturally varies within our min/max tolerances from color to color.

- Series range: 21 – 24 dynes

Environmental Operating Parameters

Temperature:

- 66 ˚ F – 80 ˚ F [19 ˚ C – 27 ˚ C]

Humidity:

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

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

Ink Handling

All personnel handling these products must wear gloves and eye protection. Clean up all spills immediately. If ink does come in contact with skin, wash the affected area with soap and water (do not use solvent or flush solution). Consult the Nazdar® 759 series Safety Data Sheets for further instructions and warnings.

UV Inkjet

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Clean Up

For clean-up of ink spills and equipment use LWU7001FF or 60042621U0 Nazdar UV Maintenance Fluid. Avoid contact with skin.

Storage/Shelf Life

Store ink and flush solutions at 15° - 23° C (60° - 75° F). 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.

Outdoor Durability

759 colors are formulated to provide 2 years outdoor durability when mounted vertically in the Central U.S.A. Outdoor durability cannot be specified exactly. Slight color change and loss of gloss should be expected. Variables affecting a printed part's durability include:

- Ink film thickness and degree of curing
- Substrate type and age
- Mounting angle and directional orientation
- Geographical location
- Excessive abrasion
- Non-clear coated prints exhibit more color change and loss of gloss

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.

Available Colors

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

Item Number	Color
LWU759CY	Cyan
LWU759MA	Magenta
LWU759YE	Yellow
LWU759KK	Black
LWU759LC	Light Cyan
LWU759LM	Light Magenta
LWU759WH	White
LWU759NC	Clear

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