Technical Data Sheet

Nazdar UV Inkjet Adhesion Promoters

V 1.0 EN

Nazdar offers a variety of adhesion promoters that can help with difficult to adhere to substrates. The table included at the beginning of this document 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

Nazdar 7020 Adhesion Promoter

LWU7020NC Adhesion Promotion has been specially formulated as a primer to improve adhesion of Nazdar UV curable digital inks to substrates such as polypropylene and acrylic. This product is for use by customers requiring die and router cut chip resistance or improved tape pull resistance.

Primary Features & Substrates

Substrates

- Acrylics
- Fluted/corrugated polypropylene with a surface tension at or above 44 dynes/cm

Application & Usage

Application

LWU7020NC Primer was designed to be used as a wipe on primer. Shake container to mix contents prior to application. Dip a clean, lint free, dry towel into a container of LWU7020NC and wipe onto the substrate to be printed. Cover the entire substrate with primer making sure to get a uniform deposit across the substrate.

Processing

- Allow the primer to dry thoroughly. (Approx. 10 minutes depending on humidity levels).
- Print the newly primed surface as soon as possible. The primed surface may be printable for up to 24 hours after application of the primer, possibly less in very humid environments.
- UV curable inks should be printed onto the thoroughly dried primer.
- For best adhesion, allow the printed surface to post-cure for 24 hours at room temperature.

Storage/Shelf Life

Store ink and flush solutions at 18° - 32° C (65° - 90° 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 24 months from the date of manufacture when stored under prescribed conditions.

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Nazdar 7025 Glass Primer

LWU7025 UV Glass Primer has been specially formulated as a wipe-on primer to improve adhesion of Nazdar UV curable digital inks to glass and enamel coated aluminum composite panels (Dibond).

Primary Features & Substrates

Substrates

- Glass
- Dibond (and other composite enameled aluminum panels)

Application & Usage

Application

LWU7025 Glass Primer was designed to be used as a wipe on primer. Apply some LWU7025 to a lint free, dry cloth and wipe onto the substrate to be printed. Cover the entire substrate with primer making sure to get a very thin, uniform deposit across the substrate.

Processing

- Allow the primer to dry thoroughly before printing with UV inkjet inks. (Approx. 10 minutes depending on humidity levels).
- Print the newly primed surface as soon as possible. The primed surface may be printable for up to 24 hours after application of the primer, possibly less in very humid environments.
- Apply to the non-tin side of float glass.
- Adhesion can be further improved by baking the newly primed glass surface for 10 minutes at 110° C (230° F).
- For best adhesion, allow the printed surface to post-cure for 24 hours at room temperature.

Storage/Shelf Life

Store primer at 18° - 32° C (65° - 90° F). Primers should always be kept away from heat, sparks, and flames. The shelf life of this product is 15 months from the date of manufacture when stored under prescribed conditions. If the primer has been exposed to excessive heat and has become cloudy in the bottle, discontinue use and replace the primer with fresh product.

Environmental Operating Parameters

Temperature:

18° - 32° C (65° - 90° F).

Humidity:

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

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Nazdar 7030 Adhesion Promoter

LWU7030 UV Adhesion Promoter has been specially formulated as a wipe-on primer to improve adhesion of Nazdar UV curable digital inks on difficult-to-adhere-to point of purchase substrates.

Primary Features & Substrates

Substrates

- Low Grade Styrene
- Acrylic
- Lexan

Application & Usage

Application

LWU7030 UV Adhesion Promoter was designed to be used as a wipe on primer. Apply some LWU7030 to a lint free, dry cloth and wipe onto the substrate to be printed. Cover the entire substrate with primer making sure to get a very thin, uniform deposit across the substrate.

Processing

- Allow the primer to dry thoroughly before printing with UV inkjet inks. (Approx. 10 minutes depending on humidity levels).
- Print the newly primed surface as soon as possible. The primed surface may be printable for up to 24 hours after application of the primer, possibly less in very humid environments.
- For best adhesion, allow the printed surface to post-cure for 24 hours at room temperature.

Storage/Shelf Life

Store primer at 18° - 32° C (65° - 90° F). Primers should always be kept away from heat, sparks, and flames. The shelf life of this product is 15 months from the date of manufacture when stored under prescribed conditions. If the primer has been exposed to excessive heat and has become cloudy in the bottle, discontinue use and replace the primer with fresh product.

Environmental Operating Parameters

Temperature:

18° - 32° C (65° - 90° F).

Humidity:

- Optimum: 40% - 60% (non-condensing)

Operational: 30% - 70% (non-condensing)

Digital UV Inkjet

Nazdar UV Inkjet Adhesion Promoters

General Information

Adhesion Promoter Handling

All personnel mixing and handling these products must wear gloves and eye protection. Clean up all spills immediately. If the product does come in contact with skin, wipe off with a clean, dry cloth (do not use solvent or flush solution). Wash the affected area with soap and water.

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.

Manufacturers Product Offering

Adhesion promoters are available in 1 liter containers.

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