

NB80 UV Adhesion Promoter is used to improve adhesion to plastics and some coated metals for most UV screen inks and some Solvent-Based screen inks. To achieve optimum adhesion results on polyolefins, i.e. corrugated polypropylene; it is recommended that the surface tension test above 44 dynes/cm.

Benefit(s) / Use(s)

Use to increase adhesion for aged, lower grade, or hard to adhere to substrates and increase block resistance

Cautions

NB80 with halftone inks may have a shorter pot-life due to their heavier viscosity. Printed ink film will be less flexible after 24 hours. The use of NB80, especially at higher levels, can adversely affect inter-coat adhesion.

NB80 UV Adhesion Promoter is sensitive to moisture and reacts, forming a hard, brittle solid. Take care to keep product away from humidity and water.

Specific Use

NB80 may be added to the following Nazdar screen inks: PP Plastic Plus, 8400, 9700, all UV curable inks, and all UV-LED curable inks.

Solvent-Based Inks: add up to the following amount to the ink by weight: **10%**

UV and UV-LED-Based Inks: add up to the following amount to the ink by weight: **5%**

Pot life of ink/catalyst mixture is dependent on the amount of NB80 used and has an expected pot life of 6 – 8 hours. Halftone inks will have a shorter pot life, normally 2 – 3 hours.

Refer to each ink series Technical Data Sheet for specific recommendations.

Improved adhesion will be demonstrated within 24 hours. The NB80 may continue to react, improving ink film properties over the next several days.

Example for additives: Ink at 100g with 8% of an additive is calculated as: **100g ink + 8g additive = 108g total**

Additive Usage

Any additives should be mixed thoroughly into the ink before each use. Prior to production, test additive adjustments to the ink. Over addition of additives can destroy various ink properties, i.e. adhesion, inter-coat adhesion, drying, screen stability, gloss, viscosity, etc.

Inks containing additives should not be mixed with other inks.

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. Reference the 'Quality Statement' at the end of this document.

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General Information**Handling**

Refer to the SDS for recommendations on handling.

Wear gloves and barrier cream to prevent direct skin contact. Safety glasses are suggested in areas where ink may be splashed. If product does come in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent or reducer). Wash the affected area with soap and water.

For assistance on a wide range of important regulatory issues, consult the following Regulatory Compliance Department link at <http://www.nazdar.com> or contact Nazdar Ink Technologies - World Headquarters (see contact listing at the end of this document).

Storage / Shelf Life

Store closed containers at temperatures between 65°-78°F (18°-25°C). Storing products outside of these recommendations may shorten their shelf life.

NB80 UV Adhesion Promoter



Packaging / Availability

Contact your Nazdar distributor for product availability and offering.

Item Type	Item Number	Item (or Color) Description
Additives	NB80	UV Adhesion Promoter

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 conditions 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 screen printing, and it has not been tested for application by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar®.

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