

OP3000 UV Laminating Adhesive was developed to bond clear films to various films, papers, and foil substrates. OP Series UV Flexo Adhesives are specifically formulated for Tag and Label printing. The laminating adhesives have excellent rheology characteristics making them ideal for most printing equipment, and product applications.

SUBSTRATES

Top coated and print treated polyester, BOPP films, polyethylene, and, paper stocks.

TYPICAL PROPERTIES OF OP3000

Target viscosity: 750 cps @25° C

Bond Strengths: Destruct

Dyne Levels of Film: 42 dynes or greater

*Cured film properties depends on the substrate, cure and coating thickness

USER INFORMATION

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. See full disclaimer at the end of the document.

ANILOX ROLLS

100-600 line (cells per inch) corresponding to a volume from 10.0 to 2.5 bcm.

DOCTOR BLADES

Reverse angle doctor blade is recommended

PLATES

OP Series is compatible with most UV Flexo plates.

PRINTING

OP Series Adhesives can be printed over Nazdar® Rotary Screen, UV Flexo and Water Base Flexo inks.

The OP Series Adhesives are formulated to be press ready. Thoroughly mix the varnish prior to printing. Maintain temperature at 65°-78°F (18°-25°C) for optimum print and cure performance. Pretest to determine optimum printing performance for each adhesive, substrate, anilox, press, curing variables/conditions and any post printing processes.

Some OP Series Adhesives may contain ingredients that might 'bleed' or discolor some pigments such as alkali and Rhodamines. Pretesting is recommended prior to printing.

The OP Series Adhesives can be affected by stray UV light in and around a printing facility. Be aware of skylights, windows and overhead lights curing the varnish. Light filters are recommended. Keep containers covered when not in use.

CURE PARAMETERS

OP Series Adhesives are formulated to cure using a medium pressure mercury vapor lamp set at 300 - 600 watts per inch.

These guidelines are intended only as a starting point for determining cure parameters, which must be determined under actual production conditions.

CLEAN UP

Use NWC10 EZ Cleaner

STORAGE

OP Adhesives in unopened containers will have at least 6 months shelf stability when stored tightly covered at temperatures between 65°-90°F (18°-32°C). Adhesives taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink.

GENERAL INFORMATION

PRODUCT HANDLING

Wear gloves and barrier cream to prevent direct skin contact. Safety glasses are suggested in areas where product may be splashed. If product does come in contact with skin, wipe adhesives off with a clean, dry cloth (do not use solvent or reducer). Wash the affected area with soap and water. Consult the OP3000 Series Material Safety Data Sheet for further instructions and warnings.

ADHESION TESTING

Even when recommended UV energy output levels are achieved, it is imperative to check bond strengths on a **cooled down** print.

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 flexo 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®.

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.

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