

# Nazdar DCA Series Topcoat Clear

**This product is a protective coating applied to extend the durability and abrasion resistance of digitally printed graphics. This product shows excellent clarity and flow-out properties. DCA Topcoat Clear does not require the addition of cross-linking catalyst.**

## Primary Features & Substrates

### Features

- Long term exterior performance with proven resistance to the effects of UV degradation and color fading
- Excellent adhesion and flexibility on most self-supporting flexible vinyls and pressure sensitive vinyls.
- Fast drying characteristics minimize the risk of “blocking”

### Substrates

- Self-supporting flexible vinyl
- Pressure sensitive vinyl

Adhesion should always be tested as adhesion does depend on age and manufacturer of substrate. Adhesion may be improved when the substrate is cleaned with a suitable solvent such as isopropanol.

### Ink Handling

All personnel mixing and handling this product must wear gloves and eye protection. Clean up spills immediately. If product does come in contact with skin, wipe ink off with a clean, dry, absorbent cloth (do not use solvent or thinner). Wash the affected area with soap and water. Consult the [Safety Data Sheet](#) for further instructions and warnings.

### Application

The DCA Topcoat Clear is formulated to be ready for use. Thoroughly mix the product prior to application. Use a medium nap paint roller or a synthetic lamb’s wool mop applicator. This product can also be applied using a traditional wire rod liquid laminator.

Do not apply additional coats or re-roll partially dry clear coat as surface degradation will occur.

Maintain product temperatures at 65°-90°F (18°-32°C) for optimum print drying performance. Lower temperatures increase the product viscosity, impairing both flow and drying. Elevated temperatures lower the product viscosity, affecting flow and leveling properties, and film thickness.

This product is recommended for application over Nazdar® UV and Solvent Digital Inks.

### Drying

DCA Topcoat Clear will air-dry in approximately 30 minutes dependent on temperature and humidity conditions. Block testing is recommended prior to folding and packaging. Good air circulation is necessary to remove the vaporized solvents.

### Additives

All additives should be thoroughly mixed into the product before each use. Prior to production, test any additive adjustment to the ink.

**Reducer:** Use 2732 Thinner to reduce the viscosity of this product. Add up to 10% by weight.

### Clean Up

For best results use warm or hot water with mild soap.

### Storage/Shelf Life

Store tightly covered at temperatures between 65°-90°F (18°-32°C). Product taken from the container should not be returned to the original container; store separately to avoid contaminating unused ink. **DCA Series products should be protected from freezing.** The shelf life of this product is 24 months from the date of manufacture when stored under prescribed conditions.

## Ink Performance

### Outdoor Durability

DCA Topcoat Clear is designed for maximum outdoor resistance to yellowing and chemical attack caused by the combined effects of UV degradation and environmental pollution.

When DCA Topcoat Clear is used with Nazdar® UV and Solvent Digital Inks, color variance of the original print will be minimal over a period of 36 months vertical outdoor exposure.

To ensure Nazdar® DCA Topcoat Clear performs to its highest potential, it is important to use proven substrates (flexible vinyls and pressure sensitive

Topcoat Clear for Inkjet

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vinyls) that do not “yellow” or vary from their original white cast when exposed outdoors.

## Environmental Operating Parameters

Temperature:

- 65 °– 90 ° F [18 °– 32 ° 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 a mop-on application, 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®.

## Manufacturer’s Product Offering

Products listed in the table below are available in 1 and 5 gallon containers. DCA51 Gloss Topcoat Clear is available in a 55 gallon drum as well.

### Inks

| Item Number | Color               |
|-------------|---------------------|
| DCA51       | Gloss Topcoat Clear |
| DCA52       | Matte Topcoat Clear |

### Additives

| Item Number | Color   |
|-------------|---------|
| 2732        | Thinner |

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