



# Prestige DC-G5

## UV Digital Multipurpose

### For Ricoh Gen5 Head Technology

Prestige DC is an extremely durable, UV curable digital printing ink specifically formulated for Point of Purchase and Point of Sale applications on a wide range of plastics. This unique system is capable of curing under both standard Mercury Vapor as well as LED conditions. With exceptional adhesion characteristics, post print finishing operations such as die-cutting, CNC routing and guillotine trimming can be performed with no edge chipping or loss of ink adhesion to the material. The distinctive characteristics of the Prestige Series allows for both chemical and water resistance properties on coroplast, styrene and vinyl materials. This system is made with automotive grade pigments for excellent lightfast properties.

#### Performance Properties

- LED/Mercury Vapor Curable
- Water Resistant
- Resistant to isopropanol (99%), Windex
- High Opacity White
- Brilliant Color Array
- Manufactured for both flat bed and roll presses utilizing the Ricoh Gen 5 head array

#### Recommended Substrates

- Coroplast
- HIPS
- PETG
- Polycarbonate
- Expanded PVC
- Vinyl Banner
- Pressure Sensitive Vinyl
- Rigid vinyl
- Cardstock
- Foam core
- Corrugated board stocks

#### Curing/Processing Guidelines

Ink will cure well when utilizing an optimal cure window of minimum 135 mJ/1.285 W/cm<sup>2</sup>. Pretesting is encouraged on all substrates to find the minimum cure rate needed for individual stocks. This should provide thorough cure of the product.

#### Color Availability

24270 PS-DC/G5 POP Yellow  
24271 PS-DC/G5 POP Magenta  
24272 PS-DC/G5 POP Cyan  
24273 PS-DC/G5 POP Black  
27274 PS-DC/G5 POP Lt Magenta  
24275 PS-DC/G5 POP Lt Cyan  
27276 PS-DC/G5 POP White

#### Light Fastness

Mosaic digital ink is lightfast for up to two years on outdoor durable material. Weathering tests have been completed on 4-mil vinyl printed with the Mosaic series. The ink withstood 1,000 hours of exposure under ASTM D3424-11 Method 4 in a Q Sun Xenon Arc unit. Although there is no direct correlation between accelerated weathering and real time exposure, the inks are expected to have good lightfast/ weather ability for up to the two years outdoor exposure. Polymeric's Solarshield Coatings can extend the weathering and light fastness of the Mosaic Series. Please call Customer Service for recommendations. (Some environmental conditions such as coming into contact with certain solvents or alkali material may degrade the pigment and/or ink. Thus, we would recommend a UV coating to protect and enhance the printed piece.)

Accelerated machine weathering is used as a reference standard and cannot precisely reproduce actual outdoor performance. Based on prior correlation of accelerated testing versus real time exposure, 500 hours is equated to *approximately* one year, 45° south Florida.

#### Storage

Care should be taken to store ink in tightly closed containers located in a cool (60-80°F/15-27°C) dark place. With suitable conditions, unopened ink is expected to have a shelf life of approximately twelve (12) months from date of manufacture, six (6) months for white inks.

#### Precautions

Read the safety data sheet prior to processing. It contains instructions for precautions to be taken when handling inks. If ink comes in contact with skin wipe off with a clean, dry cloth (do not use solvent). Wash and rinse the affected areas with soap and water.

#### A. Warranty Liability Limited to Purchase and Installation Costs

Notwithstanding anything provided herein or any other written material to the contrary, Polymeric only warrants the purchase price and costs of installation. Polymeric US shall have no liability or obligation to any user, buyer, purchaser, distributor or other person or entity for any special, direct, indirect, incidental or consequential damages, however caused, including without limitation, personal liability, loss of business, loss of profit, or other damage, whether or not buyer shall have informed Polymeric US of the possibility or likelihood of any such damages.

#### B. Limitation of Implied Warranty and Fitness for a Particular Purpose

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