

UVD-POP is a durable, UV curable, digital printing ink specifically formulated for Point-Of-Purchase, Point-Of-Sale applications. This series exhibits outstanding adhesion to a wide variety of common POP/POS substrates. UVD-POP is both chemical and water resistant. With exceptional adhesion characteristics, post-press finishing operations are performed with minimal edge chipping. Made with only the finest long-term outdoor pigments, UVD-POP provides an excellent color gamut for your color certified printers.

Performance Properties

- Chemical resistance
- Extremely broad range of adhesion
- Flexible for multi-layer constructions
- Scratch and Scuff resistant
- Elevated color strength for backlit applications
- Brilliant color array and high densities
- Non-blocking for two sided constructions
- Manufactured for Roll to Roll, and flatbed presses
- Water resistance
- Excellent post-print finishing

Recommended Substrates

- Acrylic
- ABS
- Aluminum and painted metal sign materials
- Cardstock
- Corrugated Plastic
- Expanded PVC
- Foamcore
- High impact styrene (HIPS)
- HDPE (min. 40 dyne)
- PETG (Copolyester)
- PET films
- Polycarbonate
- Polyethylene Banner
- P.S Vinyl and reflective vinyl
- Static cling vinyl
- Vinyl banner
- Many other POP/POS materials

Color Availability

CMYK
Light CMYK
White

Curing Guidelines

Ink will cure well when utilizing an optimal cure window of 200 – 250 mJ/ cm², 755 mW/ cm² is generally achieved two (2) 300 watt per inch mercury vapor lamps. This should provide thorough cure of the product. Adhesion should be a minimum of 95% from curing unit with the financial adhesion developing within four (4) hours of initial polymerization. If a loss of gloss or adhesion due to insufficient cure is noticed, a decrease of saturation levels will increase light penetration and improve cure. The UVD-POP system, when properly cured develops an extremely durable and flexible ink film. Even though the properly cured ink develops an extremely durable and flexible ink film. Even though the cured ink film has been engineered to optimize processing and handling, the printer must assume responsibility for pre-testing and qualifying production parameters prior to printing. The intensity of cure, weight or caliper of the material and/or elevated ambient temperatures and humidity of the printing and storage environments will influence some media.

Light Fastness

Emmaqua extensive weathering tests are currently in progress. Estimated exterior durability is three (3) years. Accelerated machine weathering's are reference standards and can not 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 degrees 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.

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