



BioFire Eco DIGITAL

BioFire POP Series is a Point of Purchase, **Bio-based Solvent** hybrid grand format digital ink system. This series exhibits outstanding adhesion to the widest variety of common POP and banner substrates. When properly cured, **BioFire** has excellent water and moisture resistance. This unique series is designed for interior or exterior applications. **BioFire** can also be used on a wide variety of media. **BioFire** performance characteristics are especially well suited for use on all the materials currently being used in the billboard market. (*Including reinforced polyethylene)

Performance Properties

- Excellent chemical, water/moisture resistance
- Flexible for multi-layer applications/die-cutting
- Heavy metal free
- Elevated color strengths for backlit applications
- Ideal for Billboard applications
- Clean, strong, vivid colors offer a spectacular color array

* **BioFire** is available for a wide variety of equipment. Please consult with a Polymeric representative regarding the product that best suits your needs.

Curing/Processing Guidelines

BioFire has excellent drying speeds. The **BioFire** ink system will not distort or waffle flexible media once cured. **BioFire** has been specifically engineered to replace existing solvent based ink systems. Once dry, **BioFire** exhibits a very vibrant, high gloss, scratch resistant finish. It is recommended that **BioFire** be gently mixed prior to pouring into press.

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.

Applications

BioFire is available for use on a wide variety of press and head types. **BioFire** is ideal for both flatbed and roll-to-roll equipment. Custom formulations and spot colors are available upon request. Please call today for additional information.

A. Warranty Liability Limited to Purchase and Installation Costs

Notwithstanding anything provided herein or any other written material to the contrary, Polymeric Imaging Inc. only warrants the purchase price and costs of installation. POLYMERIC IMAGING INC. 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 INJURY, LOSS OF BUSINESS, LOSS OF PROFIT, OR OTHER DAMAGE, whether or not buyer shall have informed Polymeric Imaging Inc. of the possibility or likelihood of any such damages.

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

POLYMERIC IMAGING INC. WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO AN IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AN IMPLIED WARRANTY OF MERCHANTABILITY, AND ANY OTHER IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, PERFORMANCE, CUSTOMER USAGE OR TRADE.

Recommended Substrates

- Polystyrene
- PETG
- Polycarbonate
- High Impact Polystyrene (HIPS)
- PVC
- Bill Board materials including polyethylene
- Vinyl Banner
- Polyethylene Banner
- Pressure Sensitive Vinyl
- Fluted Polyolefin's*
- Coated Cardstocks

*Flame or Corona Treatment is necessary

Lightfastness

BioFire uses only the highest grade of pigments. **BioFire's** exterior durability is largely dependant on the amount of ink deposited, which is directly related to the head type and nozzle size. When using a 30 pico-liter nozzle or larger, it is estimated that the exterior durability is to be in excess of three years. A **BioFire** high performance digital fleet clear is available for applications where extended outdoor requirements are needed. Please call for additional information.

Accelerated weathering's are reference standards and can not precisely reproduce actual outdoor performance.

Precautions

Read the material 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 ink off with a clean, dry cloth (do not use solvent). Wash and rinse the affected area with soap and water.