

# LightSpeed Mach II

Billboard & Banner System



**LightSpeed Mach II is a Point-Of-Purchase; Point-Of-Sale UV based digital ink system. This series exhibits outstanding adhesion to a wide variety of common POP and banner substrates. When properly cured, LightSpeed has excellent water and moisture resistance. This unique series is designed for interior or exterior applications. LightSpeed can also be used on a wide variety of environmentally friendly media. LightSpeed's performance characteristics are especially well suited for use on all roll-to-roll presses, and the materials currently being used in the billboard market. (Including reinforced polyethylene)**

## Performance Properties

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

## Curing / Processing Guidelines

**LightSpeed** has excellent drying speeds. The **LightSpeed** inks system will not distort or waffle flexible media once cured. **LightSpeed** has been specifically engineered to replace existing UV based ink systems. Once dry, **LightSpeed** exhibits a very vibrant, high gloss, scratch resistant finish. It is recommended that **LightSpeed** 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

**LightSpeed** is available for use on a wide variety of press and head types. **LightSpeed** 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.

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## Recommended Substrates

- Blue Back paper
  - High Impact Polystyrene (HIPS)
  - PVC
  - Bill Board materials including polyethylene
  - Vinyl Banner
  - Pressure Sensitive Vinyl
- \*Flame or Corona Treatment is necessary

## Lightfastness

**LightSpeed** uses the highest grade of pigments available today. **LightSpeed's** exterior durability is largely dependant on the amount of ink deposited, which is directly related to the head type and nozzle size. When used at 100% strength, **LightSpeed's** estimated exterior durability is up to one year. A **LightSpeed** high performance clear is available for applications where extended durability is required. Please call for additional information.

## 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.