

Technical Data Sheet

Product Name:

Ultra-Low Energy UV Curable Ink



Product Description

Ultra-Low Energy UV Curable Ink is specially formulated for high performance, trouble-free printing. Ink Mill's tight manufacturing specifications ensure consistent quality batch after batch. The value of Ink Mill inks is unmatched in the industry. Ink Mill inks offer expanded color gamut, long term outdoor durability, superior adhesion, and the lowest maintenance requirements of any ink in the digital inkjet marketplace. Ink Mill is setting the standard for the level of technical support and is unmatched by the competition. Ultra-Low Energy UV Curable Ink uses the latest technologies available to provide full cure properties at very low energy levels. This ink product expands the substrate choices for printers due to less heat being applied to the substrate during printing, where formerly, heat sensitive materials could not be utilized with UV curable technology. This ink can be used on Flexible and Rigid Substrates.

Product Highlights

- ✚ Premium Quality
- ✚ Best Value
- ✚ Consistency
- ✚ Superior Adhesion
 - Rigid Materials, rigid PVC, Polystyrene, Polycarbonate, Acrylic, Foam Board etc.
 - Flexible Materials, Pressure Sensitive Vinyl, Reinforced Banner, Canvas, Fabric
- ✚ Performance
 - Abrasion/Scratch Resistance
 - 2 Year Outdoor Durability
 - Optimized Printer Performance
 - Minimal Printer Maintenance

Typical Uses

POP displays, Outdoor Graphics, Billboards, Banners, etc.

Drying/Curing Parameters

Ultra Low Energy UV Curable Inks are formulated to be fully cured when exposed to $<200 \text{ mJ/cm}^2$ from a medium pressure mercury vapor lamp. The actual exposure needed to reach full state-of-cure will depend on the intensity and focus of the lamp system and spectral output of the bulb type, our highly experienced technicians can assist you in your system design and requirement.

Colors

Cyan, Magenta, Yellow, Black, Red, Green, Blue, Orange, White, and Light Colors.

Handling & Storage

All personnel handling the liquid ink should wear appropriate gloves and eye protection. Ink should be stored tightly closed with a room temperature range of 5-40C (41-104°F). The shelf life of this product is 12 months from the Date of Manufacture. The ink should be kept away from UV light, direct heat, sparks, and flames. This product should be stored in its original packaging until time of use.

Durability

This product is 2 year outdoor durable, which can be extended to 5 years with a suitable laminate.

Available Packaging

This product is available in 1 Liter bottles. Custom packaging is also available.

Disclaimers

Ink Mill Corporation stands behind the quality of its products. However, Ink Mill cannot guarantee the finished print output because we have no control over the printing equipment set-up or process. While Ink Mill will provide sound technical advice on the use of our products, it is the user's responsibility to ensure that the products being used are appropriate for the end use application. All of the information contained within this technical data sheet is accurate as of the date published; this sheet may be updated or deleted as new information becomes available.