

ROLAND ECO-UV INK

for VersaUV Series Printers



Specifically formulated for the VersaUV's curing system, ECO-UV Ink is perfect for curing at all available print speeds, delivering high colour density and wide gamut for exceptional images print after print. ECO-UV adheres to a wide range of coated and uncoated media, including foils, paper, clear films and vinyl for increased versatility. Instantly-drying and extremely flexible, ECO-UV ink produces graphics that can be stretched and applied around curved surfaces and edges without cracking. Clear coat gives an unprecedented high gloss finish on output and improves scratch and chemical resistance and outdoor durability.

Applications

ECO-UV inks deliver great results for multiple indoor applications such as interiors, back-lit, high quality art reproduction, mock-ups and proofing, labels and POPs. For outdoor applications, ECO-UV lasts up to two years¹ depending on the substrate and installation. Stretchability and flexibility and the special effects that can be created make EUV an ideal ink for product wraps and differentiation.



Unique Ink Configuration

VersaUV boasts a unique ink configuration that includes white ink and clear coat in addition to CMYK colours. The high-opacity white ink is ideal for producing rich, dense colour graphics on clear, dark opaque and even metallic substrates. The clear coat, available only in original ECO-UV, adds capabilities that include high-gloss area highlighter (spot varnish), full flood gloss finishing for added durability and special effects, such as three-dimensional textures (emboss) by printing multiple layers of clear coat. The combination of these features enables the production of exclusive prints that command premium prices, while reducing considerably production costs over conventional workflows.

Unmatched Media Compatibility

Droplets of ECO-UV ink are cured by the UV lights shortly after they land on the surface of the media, leaving almost no time for the droplets to react or be absorbed by the media. This virtually eliminates any ink and media compatibility issue, making the VersaUV compatible with a wide variety of coated and uncoated media. Many stock media for equipment such as label printers and offset printers can be printed with the VersaUV without any special treatment. Users of the LEF-12 benchtop VersaUV can take full advantage of this tremendous media compatibility as the LEF-12 enables printing directly on three-dimensional objects such as awards, pens and giftware, acrylic plaques, golf balls, cell phone covers and even laptop computers.

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Colour Consistency

With ECO-UV inks, the absence of ink reaction and absorption means colours will be consistent across different media types without requiring profiles specific for the media. The wide colour gamut makes a Roland VersaUV printer and ECO UV ink an ideal combination for proofing applications that need to confirm to Fogra standards and is supported by all the big names in colour management software solutions such as CGS, EFI, GMG and more.

New! ECO-UV S Formulation

With ECO-UV, users can choose from two different formulations. Original ECO-UV delivers outstanding performance for applications calling for CMYK, white and clear coat. If using CMYK and white ink only (CMYK + White + White), users can select either original ECO-UV or ECO-UV S for added flexibility.

Available for VersaUV LEJ and LEC models configured exclusively with CMYK and white inks, ECO-UV S expands up to 220 percent with no signs of peeling and cracking, making it ideal for printing on shrink sleeves and shrink wraps, wrapping PET bottles, and for vacuum forming applications. This greater elasticity allows graphics to wrap uneven shapes, indentations, corners and curved surfaces. With ECO-UV S prints mould perfectly to the contours and adhere flawlessly to vacuum-formed plastic that is commonly used for items ranging from food service trays to auto parts packaging and consumer electronics cases.



ECO-UV Ink Overview:

- Optimised for the VersaUV curing system for perfect curing at all print speeds
- Highly flexible, enabling stretching and application to curved surfaces without cracking
- Two formulations available:
 - ECO-UV, offered in CMYK, White and Clear (all VersaUV models)
 - New! ECO-UV S, offered in CMYK and White (LEJ-640 and LEC series only).
- ECO-UV S ink stretches up to 220 percent
- Superior scratch and alcohol resistance
- Compatibility with both coated and uncoated media
- Unique ink configuration for unmatched capability
- High-opacity white ink for printing rich, dense colours on clear material
- Clear coat for highlights, special effects, realistic textures and enhanced durability (ECO-UV only)
- UV durability up to 2 years.¹ Can be extended with lamination.

1. Depending on the substrate and installation. Outdoor durability is based on accelerated weather tests conducted by Roland DG. Results may vary depending upon location and application. Lamination or clear coat is recommended for high impact or aggressive installations.

2. Room ventilation and an appropriate air filtration system are required. Please consult the MSDS for more guidance on the proper use and ventilation of ECO-UV or ECO-UV S inks.



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