



UV ECO LED

SERIES

UV ECO LED Series is a premium Low Energy UV curing series for LED/LE-UV printing systems. It enables a fast curing with minimum LED/UV energy consumption and high gloss, showing an excellent performance at high printing speeds.

Printing behaviour

- Excellent water-ink balance
- Highly reactive with minimal energy levels for curing
- High gloss and vibrant colors that create premium quality printouts
- Very stable in the printing process at high speeds
- Minimum Surface Tension level from 38 dynes/cm² substrate
- Minimal dot gain with excellent trimming
- Suitable for corona treated vinyl, pre-treated plastic and PP films

Recommendations

- To avoid problems arising from the use of different kind of substrates and different printing and processing conditions, we recommend a pre-test before the final printing.
- For best fluidity, please apply the ink while the press is running. Too much ink supply may cause build-up, tonal differences and ink emulsion.
- Please protect the ink from direct sunlight. We recommend using UV filter films on windows and fluorescent lights in the press room to prevent ink curing in the ink cans and ink ducts.

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Technical data

		LIGHT (WS)	ALCOHOL	NITRO	ALKALI	TACK	FLUIDITY
		Fastness properties in accordance with ISO 12040 and ISO 2836					
C000000959	UV ECO LED PROCESS YELLOW	5	+	+	+	13	16
C000000960	UV ECO LED PROCESS MAGENTA	5	+	+	-	14	18
C000000961	UV ECO LED PROCESS CYAN	8	+	+	+	18	18
C000000962	UV ECO LED PROCESS BLACK	8	+	+	+	18	18.5

Regulatory

- This range accomplishes with EuPIA exclusion list for printing inks and related products, as well as with the heavy metals' limits laid down in the Directive 94/62/EC.
- Accomplishes with REACH Regulation and complies with GHS08 labeling. Accomplishes with ISO 2846-1 and is valid for printing according to ISO 12647-2.

Shelf life

- The UV ECO LED series has a 12-month lifetime warranty. This warranty covers twelve months from the date of manufacture. In order to have this warranty, certain recommendations should be followed: keep the ink at a storage temperature of 15-20°C and do not expose it to heat or direct sunlight. If possible, store it in a dark room.

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Martínez Ayala's knowledge and belief. No liability for any errors, facts or opinions will be accepted. Customers must verify and test by themselves the suitability of this product for their application. No liability for any loss as a result of any person placing reliance on any material contained herein will be accepted

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