



*Rely on us.*SM

XCURA Evo

Latest technology process ink series optimised for new technology UV curing systems including: HUV, LE, HR, LEC and LED

UV process ink series for sheetfed offset and web offset printing

Product Features

XCURA Evo is a highly reactive UV ink series for sheetfed and web offset presses that cures with the latest UV lamp technology. Whilst combining the highest stability and printing performance. It is suitable for commercial and non-food packaging application on paper, board and some non-absorbent substrates.

The new technology comprises either traditional UV lamps doped with iron halides or light emitting diodes (LEDs). These have a spectral output with higher wavelength than traditional UV lamps, which eliminates the production of ozone and reduces heat generation.

XCURA Evo is developed using specially selected raw materials that match the higher wavelength output of these low energy systems.

The main advantages of the new technology can be summarised as economical and ecological: Economical

benefits – energy consumption will be significantly reduced; quality assuredness brings increased productivity and press uptime; reduced work-in-progress, expanded capability to run heat sensitive materials with less heat management costs.

Ecological benefits – energy will be saved; new technology systems do not produce ozone (improved worker and environment safety)

Advantages of XCURA Evo

- Excellent duct flow properties
- Cures with UV LED, HUV, LE and HR (290 – 400nm)
- High colour strength, low dot gain
- Excellent ink-water stability
- Fast curing speed, excellent press stability
- Suitable for direct finishing and laser printing
- Exceptional transfer for reduced picking on wide range of substrates
- High gloss
- Complies with ISO 2846-1

FlintGroup

XCURA Evo

	Article code	Fastness properties			
		Light fastness	Alcohol	Solvent mixture	Alkali
XCURA Evo					
XCURA Evo Process Black	VW37-1E2U	8	-	-	-
XCURA Evo Process Cyan	VW17-5E2U	8	+	+	+
XCURA Evo Process Magenta	VW17-3E2U	5	+	+	-
XCURA Evo Process Yellow	VW17-1E2U	5	+	+	+

Light fastness properties according to ISO 12040:
 from 1 (low) to 8 (high)
Fastness properties according to ISO 2836:
 + = Resistance provided
 - = Resistance not provided

Packaging sizes

XCURA Evo is available in 2,5kg plastic pails (codes above) and in 2kg plastic cartridges (codes -XSRB). Other packs upon request.

Drying properties

Low energy UV lamps and LED.

Substrates

Ideally suited for coated and uncoated paper and board and non-absorbent substrates.

Remarks

XCURA Evo inks are suitable for printing with or without alcohol.

XCURA Evo inks have been formulated to exclude materials known to cause swelling or degradation of EPDM and NBR type rollers and blankets. In general, UV curable inks and the special cleaning fluids can, to a certain extent, cause swelling or shrinking of rubbers. Rubber types like EPDM, butyl nitrile or vinyl nitrile are recommended.

Shelf life and storage

Recommended storage temperature is 5 - 35° C.

Direct sunlight as well as long-term exposure to fluorescent lamps should be avoided to prevent polymerisation. Meeting the recommended storage conditions, XCURA Evo will remain stable for a minimum of 18 months from the date of manufacture.

Exceptions

Not for use for food packages without functional barrier.

More products. Streamlined access. Greater results.

Flint Group offers a uniquely powerful combination of products, services and expertise; giving you access to the industry's broadest range of pressroom products.

Inks & Coatings. Pressroom Chemicals. Blankets. Sleeves. Consumables.

Rely on us for consistency, reliability and customer focus. Our aim is to make it easier for you to achieve your business goals. With Flint Group products in your pressroom, you can run your business with confidence and peace of mind.

You are welcome to contact us for further information.

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