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XCURA EVO PLUS

Process ink series optimised for the newest technology in UV curing systems

UV process ink series for sheetfed offset printing

Product Features

- XCURA EVO PLUS is a highly reactive UV ink series that cures with the latest UV lamp technology (UV LED, HUV, LEC, LE and HR (290 – 400nm).
- The series is supplemented by the XCURA EVO PLUS LF Yellow and XCURA EVO PLUS LF Magenta with advanced resistances and suitability for non porous substrates.
- Combining highest stability and printing performance. It is suitable for commercial and non-food packaging application.
- Great benefits are the very good duct flow properties.
- The XCURA EVO PLUS is suited for direct finishing on a wide variety of substrates.

Advantages of XCURA EVO PLUS

- Very good duct flow properties.
- Cures with UV LED, HUV, LEC, LE and HR (290 – 400nm).
- High colour strength, low dot gain.
- Very good ink-water stability.
- Fast curing speed.
- Suitable for direct finishing and laser printing.
- Optimised for reduced picking on a wide range of substrates.
- Ideally suited for paper, board and some non-absorbent substrates.
- Also suitable for web offset.

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XCURA EVO PLUS

| Fastness properties | | | | |
|---------------------------------------|----------------|---------|-----------------|--------|
| | Light fastness | Alcohol | Solvent mixture | Alkali |
| XCURA EVO PLUS | | | | |
| XCURA EVO PLUS Process Yellow | 5 | + | + | + |
| XCURA EVO PLUS Process Magenta | 5 | + | + | - |
| XCURA EVO PLUS Process Cyan | 8 | + | + | + |
| XCURA EVO PLUS Process Black | 8 | - | - | + |
| XCURA EVO PLUS LF Yellow | 7 | + | + | + |
| XCURA EVO PLUS LF Magenta | 7 | + | + | + |

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 PLUS is available in 2,5kg plastic pails, 2kg plastic cartridges and 200kg metal drums.

Drying properties

Low energy UV lamps, LED.

Substrates

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

Remarks

XCURA EVO PLUS inks are suitable for printing with or without alcohol.

Suitable for printing work corresponding to ISO 12647-2.

XCURA EVO PLUS 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 PLUS will remain stable for a minimum of 18 months from the date of manufacture.

Exceptions

Not for use for food packages without functional barrier.

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Flint CPS Inks Germany GmbH
Commercial, Publication & Sheetfed Inks
Sieglerstraße 25
70469 Stuttgart, Germany

T +49 711 98 16-0
F +49 711 98 16-700
sheetfed@flintgrp.com
www.flintgrp.com

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