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# XCURA Max

Highly reactive 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 Max is a highly reactive UV ink series for sheetfed and web offset presses that cures with the latest advancements in UV lamp technology. It is suitable for commercial and non-food packaging application on paper, board and 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 Max 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 Max

- Fast work turnaround.
- High colour strength.
- Excellent ink-water stability.
- Fast curing speed.
- Reduced energy consumption.
- Complies with ISO 2846-1.
- Suitable for printing to ISO 12647-2.

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# XCURA Max

	Article code	Fastness properties			
		Light fastness	Alcohol	Solvent mixture	Alkali
<b>XCURA Max</b>					
<b>XCURA Max Process Yellow</b>	<b>VW17-1B2S-XSBJ</b>	<b>5</b>	<b>+</b>	<b>+</b>	<b>+</b>
<b>XCURA Max Process Magenta</b>	<b>VW17-3B2S-XSBJ</b>	<b>5</b>	<b>+</b>	<b>+</b>	<b>-</b>
<b>XCURA Max Process Cyan</b>	<b>VW17-5B2S-XSBJ</b>	<b>8</b>	<b>+</b>	<b>+</b>	<b>+</b>
<b>XCURA Max Process Black</b>	<b>VW37-9B2S-XSBJ</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>XCURA Max Dense Black</b>	<b>VW37-9LBS-XSBJ</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>+</b>

Light fastness properties according to ISO 12040:  
from 1 (low) to 8 (high)

Fastness properties according to ISO 2836:  
+ = Resistance provided  
- = Resistance not provided

## Drying properties

Low energy UV lamps and LED.

## Substrates

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

## Remarks

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

XCURA Max 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

The 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 Max 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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