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XCURA

Base colour ink series for Low Energy and LED Drying systems in sheetfed offset

UV base colour ink series for sheetfed offset

Product Features

- XCURA is a highly reactive UV base colour ink series for sheetfed presses that cures with low energy lamp technology and LED technology.
- It is suitable for commercial and non-food packaging application on paper, board and non-absorbent substrates.
- The series consists of 10 base colour inks as well as black and transparent white. Base colours have high colour strength, optimised to blend spot colours. Specific fastnesses can also be achieved fitting requirements often encountered in packaging printing.
- XCURA is developed using specially selected raw materials that match the higher wavelength output of these low energy and LED systems.

Advantages of XCURA

- Fast work turnaround.
- High colour strength.
- Excellent ink-water stability.
- Fast curing speed.
- Reduced energy consumption.
- Suitable for a wide range of substrates.
- Also suitable for web offset.

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		Fastness properties			
		Light fastness	Alcohol	Solvent mixture	Alkali
	Article code				
XCURA					
Yellow	VW14-100*	5	+	+	+
Orange	VW14-200*	5	+	+	+
Warm Red	VW14-300*	3	+	+	-
Red 032	VW14-302*	5	+	-	+
Rubine Red	VW14-301*	5	+	+	-
Resistant Rhod Red	VW14-369*	7	+	+	+
Resistant Violet	VW14-450*	7	+	+	+
Process Blue	VW14-500*	8	+	+	+
Reflex Blue	VW14-501*	3	-	-	+
Green	VW14-600*	8	+	+	+
Transparent White	VW14-000*	Not applicable			
Opaque White	VW14-001*	Not applicable			
Black	VW14-960*	8	+	+	+

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

Fastness properties according to ISO 2836:
+ = Resistance provided
- = Resistance not provided
* Depending on the producing site

You are welcome to contact us for further information.

XCURA

Drying properties	Low energy and LED.
Substrates	Ideally suited for coated and uncoated paper and board and non-absorbent substrates.
Hints for the mixing of spot colours	Thanks to their high colour strength and mono-pigmentation, XCURA base colour inks feature very easy formulation and mixing of spot colours; also true when specific resistance requirements are specified. Furthermore it is possible to achieve all colour shades of the PANTONE® range with the typical film weight usually applied in wet offset printing. Therefore formulations for coated paper must be chosen.
Remarks	XCURA inks are suitable for printing with or without alcohol. XCURA 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 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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You are welcome to contact us for further information.

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