

SHEETFED

XCURA King

LED AND UV LOW ENERGY (HUV/LE/HR) CURABLE INK SERIES FOR SHEETFED AND WEB OFFSET PRINTING ON PAPER AND PAPERBOARD.

XCURA King

XCURA King is a premium UV ink series for sheetfed and web offset presses that cures with LED and UV low energy (HUV/LE/HR) lamp technologies. It is suitable for commercial and non-food packaging application on paper and paperboard substrates.

Suitable Applications

- Coated and uncoated papers
- Coated and uncoated boards
- Suitable for folding carton, commercial printing, and labels - non-food
- Suitable for direct finishing and subsequent laser printing

Attributes	Benefits
• Cures with low energy lamp technology	• Lower energy costs; no ozone generation; low heat process compatible with heat sensitive films
• High colour strength	• Excellent print quality
• Excellent ink/water stability	• Optimum press performance
• Fast curing speed	• Improved productivity
• Excellent press stability	• Minimal wash-ups required
• Complies with ISO 2846-1	• Suitable for printing to ISO 12647-1

Availability

- Four colour process
- Full range of base colours
- Pantone® & special match spot colours

Colour Matching

- ISO 2846-1 compliant four colour process
- Suitable for printing to ISO 12647-1
- XCURA bases must be used for spot colours

	Light Fastness 100% Strength*	100% Strength 10% Tint*	Alkali**	Alcohol*	Nitro (solvents)**
Black	8	7	2	2	2
Cyan	8	7-8	5	5	5
Magenta	5	4	2	3-4	5
Yellow	5	4-5	5	3-4	5

Colour properties complying with ISO 2846-1 (*Blue Wool scale, 1=minimum, 8=maximum)
 (**Resistance properties in accordance with the Grey scale according to ISO 105-A03 or ISO 105-A02 1=poor, 5=very good)

XCURA King

Substrates

Ideally suited for coated and uncoated papers and boards, matte coated papers, coated and uncoated paperboards.

Fountain Solution

All quality fountain solutions can be used. The **XCURA King** inks are recommended for printing with and without alcohol.

Rollers/Blankets

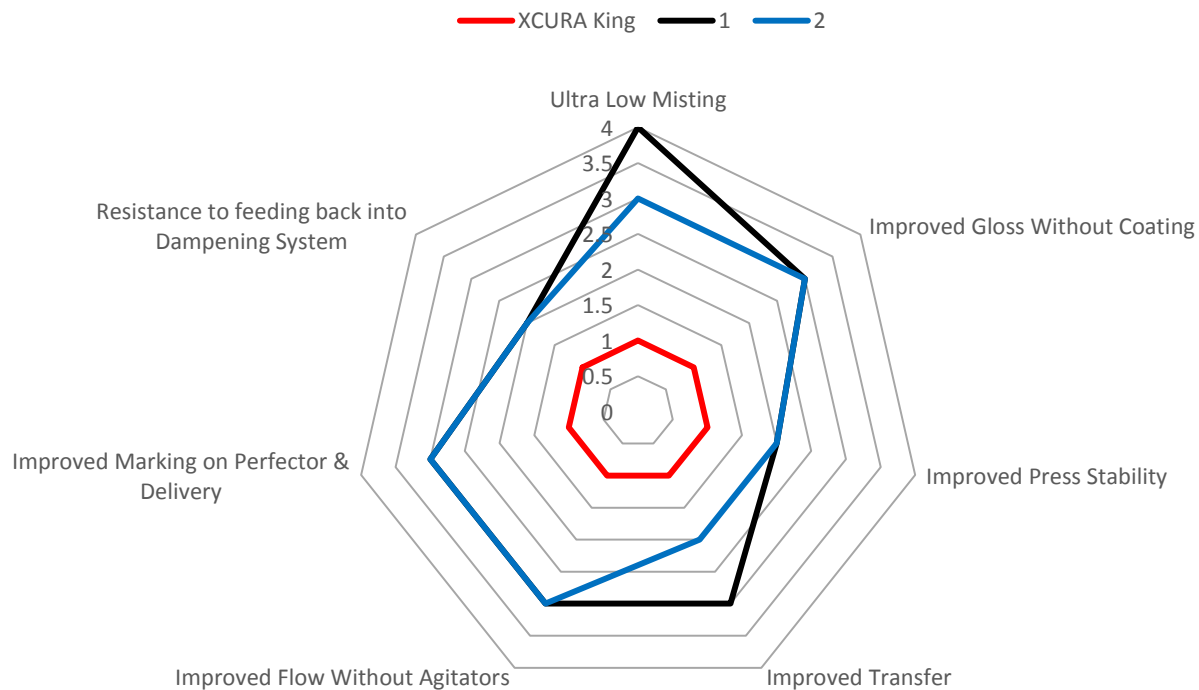
The **XCURA King** inks have been formulated to exclude materials known to cause swelling or degradation of EPDM and NBR type rollers. In general, UV curable inks and the special cleaning fluids can, to a certain extent, cause swelling or shrinking of rubbers. Rubber types like EPDM, butyl nitrile or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

Additives

Consult your local Flint Group representative.

Overall Performance Comparisons

XCURA KING vs Competition



For more details on XCURA King, call your nearest Flint Group office or dealer.

Flint Group
Toll Free in the U.S. (800) 328 7838
info.packaginginks@flintgrp.com
www.flintgrp.com

The aim of our technical documents is to inform our customers about general values. However, the transferability of general values known from experience and laboratory results to concrete practical applications depends on a number of factors which are beyond our control. We therefore ask for your understanding that this advice document cannot be used as the basis for claims in law. Furthermore, the correct application for each product has to be checked carefully for suitability. For application details refer to Technical Data Sheet. Product names followed by ® are trademarks registered by Flint Group Incorporated.