

Description:	XCURA King, King Perfector & Max are the 2 nd generation of low energy (LED, HUV, LE / HR) inks from the Flint Group for the porous substrates used in folding carton, label and commercial applications.
Process:	UV LED / HUV / LE Offset
Application:	Printing folding carton and label (non-food) applications, as well as commercial printing, via sheetfed offset & long perfector presses.
Substrate:	Gloss coated and uncoated paper and paperboard
Key Features:	<ul style="list-style-type: none">• Cures with UV LED / HUV / LE / HR lamp technologies (290-400nm)• Fast curing speed• Excellent press stability• High color strength, low dot gain• Suitable for direct finishing and laser printing• Exceptional transfer for reduced picking on wide range of substrates High gloss
Limitations:	Not suitable for sensitive food packaging applications without presence of a functional barrier.
Rollers/Blankets:	These inks are 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 cause swelling or shrinking of rubbers. The XCURA series minimizes this risk. EPDM, Butyl Nitrile or Vinyl Nitrile rubber types are recommended.
Cleaning Recommendations:	These inks can be cleaned using commonly available UV cleaning solutions. Good industrial hygiene should be practiced with this type of product. Use appropriate protection as specified by the MSDS information. Soap and water should be used immediately if skin contact occurs.
Storage & Handling:	These products contain photochemically active materials and will polymerize upon prolonged exposure to low level of energy sources such as heat and light: <ul style="list-style-type: none">• Products should be stored at room temperature (20°C)• Store away from direct sunlight• Use appropriate personal protection equipment as specified by MSDS• Best if used within 12 months of manufacture date

PRODUCT TECHNICAL DATA SHEET

All information is based on results from experience and tests and is believed to be accurate, but given without acceptance of liability for loss or damage, attributable to reliance thereon as conditions of use lie outside our control

Color Range & Fastness Properties:

XCURA King

Product Code	Product Description	Lightfastness 100% Strength*	Lightfastness 10% Tint*	Alkali**	Alcohol**	Nitro (solvents)**
VW37-9A2U	XCURA King Process Black	8	7	2	2	2
VW17-5A2U	XCURA King Process Cyan	8	7-8	5	5	5
VW17-3A2U	XCURA King Process Magenta	5	4	2	3-4	5
VW17-1A2U	XCURA King Process Yellow	5	4-5	5	3-4	5
VW37-914U	XCURA King Perfector Pro Black	8	7	2	2	2
VW17-504U	XCURA King Perfector Pro Cyan	8	7-8	5	5	5
VW17-304U	XCURA King Perfector Pro Magenta	5	4	2	3-4	5
VW17-104U	XCURA King Perfector Pro Yellow	5	4-5	5	3-4	5
Blending Bases						
VW27-1B2U	YELLOW	5	4-5	5	3-4	5
VW27-2B1U	ORANGE	4-5	4	5	3-4	5
VW27-3B5U	SCARLET	4	4	5	2	4-5
VW27-3B7U	RUBINE	5	4	2	3-4	5
VW27-3B9U	PERM QUIN	6-7	6	5	5	5
VW27-3B4U	BRIGHT RED	4	3	3-4	3-4	4
VW27-5B2U	REFLEX BLUE	2-3	1	2	2	2
VW27-5B1U	BLENDING CYAN	8	7-8	5	5	5
VW27-6B1U	GREEN	8	7	5	5	5
VW27-4B2U	PERM VIOLET	6-7	6-7	5	5	5
VW37-9B1U	UNTONED BLACK	8	7	5	5	5
VW27-0B1U	TRANS WHITE	N/A	N/A	N/A	N/A	N/A
VW27-0B2U	OPAQUE WHITE	8	7	5	5	5

(*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)

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Color Range & Fastness Properties:

XCURA Max

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VW37-9B2U	XCURA Max Process Black	8	7	2	2	2
VW17-5B2U	XCURA Max Process Cyan	8	7-8	5	5	5
VW17-3B2U	XCURA Max Process Magenta	5	4	2	3-4	5
VW17-1B2U	XCURA Max Process Yellow	5	4-5	5	3-4	5
Blending Bases						
VW27-1B2U	YELLOW	5	4-5	5	3-4	5
VW27-2B1U	ORANGE	4-5	4	5	3-4	5
VW27-3B5U	SCARLET	4	4	5	2	4-5
VW27-3B7U	RUBINE	5	4	2	3-4	5
VW27-3B9U	PERM RHODAMINE	6-7	6	5	5	5
VW27-3B4U	BRIGHT RED	4	3	3-4	3-4	4
VW27-5B2U	REFLEX BLUE	2-3	1	2	2	2
VW27-5B1U	BLENDING CYAN	8	7-8	5	5	5
VW27-6B1U	GREEN	8	7	5	5	5
VW27-4B2U	PERM VIOLET	6-7	6-7	5	5	5
VW37-9B1U	UNTONED BLACK	8	7	5	5	5
VW27-0B1U	TRANS WHITE	N/A	N/A	N/A	N/A	N/A
VW27-0B2U	OPAQUE WHITE	8	7	5	5	5

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