

EkoCure® F

A DUAL CURE UV LED CURABLE FLEXO INK TECHNOLOGY, WITH HIGH PRESS PERFORMANCE SUPPORTING INDUSTRY SUSTAINABILITY INITIATIVES



EkoCure® F Ink System

Can be used in all UV flexographic print units provided the ink is cured with UV LED lamps. EkoCure™ F can be used with doctor blade as well as in a chambered doctor blade system.

Suitable for a wide variety of applications

- Self adhesive labels (coated & uncoated papers, BOPP, PE, PLA and other synthetic films)
- Cartons (carton boards)
- Tags
- Shrink labels

PROPERTIES	BENEFITS
• Cures with UV LED lamp technology	• Lower energy costs; low maintenance and lamp replacement; no ozone and no mercury waste; low heat process enables capability to run heat sensitive films
• High color strength and excellent mileage	• Improved print result
• Good press stability	• Consistent high print quality
• Fine printability, good dot sharpness	• Higher quality labels
• High printing speed	• Improved productivity
• Easy maintenance and clean up	• Faster press change overs, higher productivity
• Excellent adhesion to a variety of substrates	• Robust ink for many applications
• Good rheology	• Easy to handle, good ink duct behavior

EkoCure® F

Availability

- Full range of Pantone® basic colors
- 4 color process set

EKOCURE® F	
Printing speed	500+ ft/min
Anilox Volume*	
Line & Solids Printing	2.5 - 3.5 BCM
Process Printing	1.5 - 2.0 BCM

EkoCure® Dual Cure Technology Delivers Economical and Sustainable Benefits

THE FACTS...	THE BENEFITS...
<ul style="list-style-type: none"> • UV LED lamps require significantly less energy 	<ul style="list-style-type: none"> • Estimated 60 % reduction of energy costs & lower operating costs
<ul style="list-style-type: none"> • Large ventilation systems are eliminated and the UV LED curing unit & power supply are smaller and more compact 	<ul style="list-style-type: none"> • Manufacturing space is reduced and energy is saved
<ul style="list-style-type: none"> • UV LED lamps produce less heat 	<ul style="list-style-type: none"> • Lower heat emission - lights do not need to warm up or cool down; offers ability to run heat sensitive films on a press with little heat management
<ul style="list-style-type: none"> • UV LED lamps are ozone and mercury free 	<ul style="list-style-type: none"> • Safe working conditions, environmental friendly and improved air quality
<ul style="list-style-type: none"> • UV LED lamps have approximately a 20,000 hour life, compared to 2,000 hour life of a standard bulb 	<ul style="list-style-type: none"> • Printers can save time and money by not replacing standard mercury vapor bulbs. Dual Cure allows printers to transition lamps on their press, one lamp at a time
<ul style="list-style-type: none"> • UV LED offers consistent UV output 	<ul style="list-style-type: none"> • LED does not degradate quickly like mercury lamps - affecting cure speed and productivity
<ul style="list-style-type: none"> • UV LED lamps are very low maintenance 	<ul style="list-style-type: none"> • No need to clean reflectors and no bulb replacement - increasing press uptime

EkoCure® is developed using specially selected raw materials that match the narrow and targeted wavelength area that is typical for UV LED lamp output. The main advantages with UV LED can be summarized as economical and ecological:

- **Economical benefits** – energy consumption will be significantly reduced; quality assuredness brings increased productivity and press uptime; manufacturing space is increased; UV LED lamps are nearly maintenance free; no mercury bulb replacement and disposal costs; expanded capability to run heat sensitive materials with less heat management costs.
- **Ecological benefits** – energy will be saved; UV LED lamps are ozone and mercury free (improved worker and environmental safety).

For more details on EkoCure® F ink system, call your nearest Flint Group Narrow Web office or dealer.

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