

EkoCure™ SN Opaque White

HIGH PERFORMANCE EASY OVER-PRINTABLE OPAQUE WHITE UV LED SCREEN INK WITH EXCELLENT OVERPRINT PERFORMANCE WITH ALL PRINT METHODS SUPPORTING INDUSTRY SUSTAINABILITY INITIATIVES



EkoCure™ SN Opaque White

can be used in all rotary screen units (SCREENY and STORK) and fast running flatbed presses, provided the ink is cured (exposed to UV LED light).

Suitable for a wide variety of applications

- Self adhesive labels (polyethylene, TC polyethylene, TC polypropylene, polypropylene and coated papers)

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
• Very high opacity opaque white	• Less ink required to obtain same opacity
• Excellent overprintability	• Improved brand image and productivity
• Excellent adhesion on a wide range of substrates	• Meets a wide range of final product demands
• Press ready for any combination	• Faster production, less make ready, less waste
• Great print sharpness, both in text and solids	• Best print quality obtainable with UV screen white
• VOC free and user-friendly raw materials	• Environmentally friendly

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Availability

- Opaque WhiteS
- Various products dependent on application need

EKOCURE™ SN OPAQUE WHITE	
Printing speed	
White	up to 300 ft/min
Screens	7- 14 μ wet film deposit

EkoCure™ UV LED Technology Delivers Economical and Ecological Benefits

UV LED means what? UV LED means **U**ltra**V**iolet **L**ight **E**mitting **D**iode.

So...what is UV LED lamp technology and how does this relate to printing inks? UV LED curing is an alternative way to cure UV inks versus the traditional mercury based lamps on all UV presses today.

THE FACTS...	THE BENEFITS...
<ul style="list-style-type: none"> • UV LED lamps pull significantly less energy 	<ul style="list-style-type: none"> • Estimated 40% 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 and improved air quality
<ul style="list-style-type: none"> • UV LED lamps have approximately a 30,000 hour life, compared to 2,000 hour life of a standard bulb 	<ul style="list-style-type: none"> • Printers can save time and money not replacing standard mercury vapor bulbs
<ul style="list-style-type: none"> • UV LED offers consistent UV output 	<ul style="list-style-type: none"> • Bulbs do not fade out - affecting cure speed and productivity and assuredness of quality!
<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).

Flint Group has partnered with Phoseon Technology UV LED lamps, and have tested inks at production speeds using the FirePower™ 16 W/cm2 lamps emitting output wavelength at 395 nm on a Mark Andy 4150 press in our Center for Technical Excellence in Plymouth, Minnesota. Also tested and compatible with Air Motion Systems XP5 Series UV LED.

With this innovative technology Flint Group is offering a solution that will improve the impact the printing industry has on the environment and also providing a cost saving benefit. Flint Group continues to show its position as a **Product Leader!**

For more details on EkoCure™ SN Opaque White, call your nearest Flint Group Narrow Web office or dealer.

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