

EkoCure® ANCORA

OUTSTANDING DUAL CURE INK FOR FOOD CONTACT MATERIAL APPLICATIONS WITH SUPERB PRESS PERFORMANCE AND ADHESION



EkoCure® ANCORA

- Is recommended for stringent demands in food labels and flexible packaging applications.
- Can be used in all narrow & mid web flexographic print units provided the ink is UV cured.
- Exposed to either LED or conventional light (dual cure).

Suitable for a wide variety of applications

- Self adhesive labels (coated & uncoated papers, PE, top coated PE & PP, BOPP and other films)
- Wrap around labels
- In-mould labels
- Unsupported film applications

PROPERTIES	BENEFITS
<ul style="list-style-type: none">• Food contact material with migration data for dual cure, both LED and mercury lamps	<ul style="list-style-type: none">• Possibility to use UV Flexo in various stringent food packaging and label applications where low migration is required
<ul style="list-style-type: none">• Cures with UV LED lamp technology	<ul style="list-style-type: none">• Lower energy costs; low maintenance; no ozone and no mercury waste; low heat process enables capability to run heat sensitive films
<ul style="list-style-type: none">• Dual cures with conventional lamp technology	<ul style="list-style-type: none">• Allows a switch one lamp at a time, to LED
<ul style="list-style-type: none">• Excellent rheology and low viscosity	<ul style="list-style-type: none">• Easy to handle, very good ink duct behavior, no hanging back
<ul style="list-style-type: none">• Complies with Swiss Ordinance list	<ul style="list-style-type: none">• Meets the most stringent demands of food packaging applications
<ul style="list-style-type: none">• Outstanding curing properties	<ul style="list-style-type: none">• Improved productivity as high speed printing is possible. In average 25% increase in speed with LED curing
<ul style="list-style-type: none">• Minimum plate swell and good printability	<ul style="list-style-type: none">• Consistent high print quality
<ul style="list-style-type: none">• Excellent dot sharpness, minimal dot gain and suitable for line, text and halftone work	<ul style="list-style-type: none">• Best print quality obtainable with UV flexo
<ul style="list-style-type: none">• Excellent adhesion to synthetic substrates	<ul style="list-style-type: none">• Lower inventory, not only as one ink suits a wide range of material, but also as dual cure; one ink can be used both on traditional mercury lamp systems and on updated LED systems.

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Availability

- Full range of Pantone® basic colors
- 4 color process set
- Opaque White
- Metallic gold and silver
- Full range overprint varnishes
- High resistance light fast colours

EkoCure® LED Technology Delivers Economical and Sustainable Benefits

EkoCure® ANCORA is developed using specially selected raw materials that match the narrow and targeted wavelength area that is typical for UV LED lamp output, but can also produce superb results with traditional lamps, for example during a transition period.

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® ANCORA delivers reliable quality suitable for stringent food and packaging applications:

- Formulated in accordance with EuPIA Exclusion Criteria
- Formulated in such a way as to minimise both potential migration through the substrate and set - off from the printed outer side to the food contact surface in the stack or the reel.
- Packaging inks are manufactured in accordance with EuPIA Good Manufacturing Practices and Nestlé 2018 guidance note.

The ultimate verification of compliance can only be done on the finished printed and/or varnished food package.

The manufacturer of the final article has the legal responsibility to ensure that it is fit for the intended purpose as food packaging. Data on migration should always be obtained by a practical migration test, done by the converter and the packer/filler, of the individual printed packaging material and article in its finished state, taking into account normal and foreseeable conditions of use. Provided that the packaging inks are correctly processed and that the food packaging is designed in a way that there is no direct food contact with the print, this will allow compliance of the final product with existing legal provisions.

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

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