

NEW: SICURA LOW NRJ series

Process: UV sheet-fed offset

Application: Packaging, commercial

Series: SICURA LOW NRJ

More and more printers are investing in the new Low Energy UV offset technology. This innovative UV curing system uses a special UV lamp and highly reactive UV inks.

With just one lamp mounted in the delivery, this system offers high print quality as well as excellent economic and eco-friendly performance. Unlike conventional UV dryers, the radiation in Low Energy UV technology is carried out only with those waves of the spectrum which release no ozone and produce less heat. Moreover, Low Energy type UV dryers are using a single lamp instead of the usual three, therefore the energy consumption is much lower. Of course, the Low Energy UV drying process needs



the right mix of highly reactive inks. **The SICURA LOW NRJ series from Siegwirk are exactly the right inks for Low Energy UV.**

SICURA LOW NRJ is a recent development which fully satisfies all demands of offset printers with regard to printing speed and rub resistance. The process colors series shows trouble-free curing, high gloss level, has a good water/ink balance and complies with the ISO 2846 standard. It is ideal for printing on paper and board substrates.

NEW: SICURA BOARD NUTRITEC – BPA-free

Process: UV sheet-fed offset

Application: Food packaging

Series: SICURA BOARD NUTRITEC

This migration-optimized UV offset series replaces the proven ink series SICURA LM 361 and LM 100.



SICURA BOARD NUTRITEC, currently formulated, is now made with raw materials free of BPA (BPA = Bisphenol-A) and without altering the excellent properties of LM 361 and LM 100. Like the previous series, SICURA BOARD NUTRITEC can be printed **excellently on paper/card-board and selected plastic substrates** and stands out by its ease of use and excellent reactivity. High pigmentation, low dot gain and good overprintability with low migration varnishes using the SICURA FLEX LM OPV series are further beneficial properties of this new series. Due to minimal migration tendency, these inks are **also suitable for demanding applications, such as fruit juice or dairy products packaging.**

New food-compliant water-based OPV

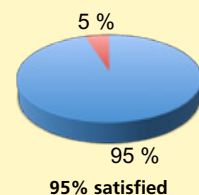
Process: Conventional sheet-fed offset

Application: Food packaging

Product number: 15-605268-0

This new overprint varnish has been specially designed for chocolate packaging.

Chocolate is known to be very sensitive to migration and to volatile components which can change the aroma or the taste. Due to a strict selection of specific raw materials suitable for food packaging applications and adequate chemical analyses, components with impurities or odors have been excluded from the formulation of this overprint varnish to avoid altering the taste of the food. The new water-based LM OPV is a gloss varnish with **fast drying speed and excellent rub resistance.**



Excellent results from our survey about the INKday 2014

Many thanks to the respondents in our last survey. About 95% of the respondents were satisfied with the contents and the organization of the INKday, held in Paris on 11th June this year. All of them expressed the wish that such an event be repeated regularly at least every two years.

FAST Match™ – a new and exclusive service by Siegwark
Color on Demand

FastMatch allows the printer to create very quickly and with exceptional precision a recipe for customized colors from basic inks, and then also to mix the inks himself.

Siegwerk offers this new service in cooperation with the international company X-Rite, the global leader in color technology, which now also incorporates the well-known company Pantone, Inc.

Whenever the printer needs a customized ink, he measures the tonalities of the artwork using a X-Rite measuring device which is connected to his computer. Via the online Siegwark database, he in-

stantly gets the recipe and then can mix the ink himself. The system is based on accurate and reliable color assortments and on color libraries constituted of numerous color recipes.

The confidentiality is guaranteed through access rights so that the shades developed by a printer are not known or seen by other users. Please contact your technical colorimetry advisor.



GHS labelling – mandatory from mid-2015

GHS = Globally Harmonized System for the classification and labelling of chemicals.

GHS is an internationally agreed system, created by the United Nations, in force since December 2010 for pure substances (such as alcohol) and from 1 June 2015 for mixtures (such as blends, printing inks, varnishes). The symbols previously applied were replaced by hazard pictograms as shown above.

On this occasion, Siegwark will take the opportunity to reorganize its own labelling concept and to create an attractive new layout for the labels on the ink containers. Information will be issued in due course.

Health Safety Environment

Expected new regulation

The new Printing Ink Regulation in the **German Consumer Goods Ordinance** announced for 2013 has still not been published. The reason for the delay lies in different opinions of the Consumer Protection Ministry and the sector organizations. These advocate regulations that can actually be implemented, similar to the Swiss Consumer Goods Ordinance of 2010, which is stipulated as an order basis by prominent food producers. The sector organizations also support uniform regulations for the entire EU. As a result, a new regulation is not expected to come into effect before the middle of 2015. (Although the expected date of coming into force is 2015, there will be a transitional period of two years before it really becomes applicable.)

Even without this ordinance, Siegwark will continue to offer high-quality low migration inks, which can be used to print safe food packaging so as not to put consumers at risk. As a rule, **UV printers should always use low migration inks and varnishes for food packaging**, where the currently applicable migration limit values can be complied with, and they should have their curing process validated by means of migration tests.

New water-based OPV cleaner

Product number: 15-657839-5

This innovative product makes cleaning easier and quicker. It is a very efficient cleaner for flexo cylinders and the pumping system.

In order to fulfill latest HSE constraints, the efficiency of the cleaner has been optimized. It removes water based varnishes quickly and thoroughly from cylinders and from the pumping system. It can be used pure or diluted with water, with automatic washing units or for manual cleaning. This cleaner is free of chlorinated hydrocarbons and aromatic compounds.

PSO certifications renewed

The following Siegwark series have again successfully passed the PSO certification: SICURA LITHO 900, TEMPO NUTRIPACK 2 and TEMPO ELITE.

