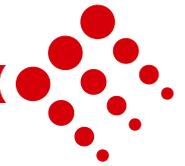


UPDATE

News for offset printers · BU Sheetfed · EMEA Edition



New UV Low Energy Matt Varnishes

Process: UV flexo printing, UV offset

Application: Commercial

Series: SICURA Low NRGY

Product number: 85-600983-2 (= flexo),
75-600982-5 (= offset)

After having provided one of the best UV offset ink series for low energy systems, Siegwerk is successfully completing its low energy product portfolio with two fantastic low energy matt varnishes.

The **UV flexo matt OPV** provides a low gloss level, a very smooth surface and an excellent laydown. Also appreciated are



SICURA Low NRGY matt UV varnish for commercial printing

the high curing speed and the very low yellowing level.

The **UV offset matt OPV** allows the printers,

who are not equipped with any coating unit, a superb matt effect. This offset varnish also offers optimized press performance and transfer properties as well as a very stable water/ink balance, which often has been a challenge for matt offset varnishes.

Moreover, Siegwerk has launched a new process set of UV matt inks, the **SICURA Low NRGY & LED Matt series**. The series is designed to reach low gloss levels and high rub resistance without any overprint varnish.

To find out more about UV matt OPV, please order the latest «explicit» on matt varnishes at explicit@siegwerk.com.

For more information on SICURA Low NRGY & LED systems, please request a copy of our brochure at info@siegwerk.com.

Siegwerk is the first Printing Ink Manufacturer to be awarded «Cradle to Cradle Gold» status

With its new, low migration UV offset ink series **SICURA Litho NutriEco**, Siegwerk has once again proven its leading role in product safety and sustainability.



From left: Lewis Perkins, President Cradle to Cradle Products Innovation Institute; Albin Kaelin, CEO EPEA Switzerland; Jörg-Peter Langhammer, Vice President Global HSE & Sustainability at Siegwerk; Reinhard Schneider, CEO and owner of Werner & Mertz GmbH.

At the Cradle to Cradle® Expert Talks in Vienna, May 2017, Siegwerk's new SICURA Litho NutriEco UV offset series was awarded the certificate «**Material Health Certi-**

fication GOLD». Thus, with this UV ink system including overprinting varnish, Siegwerk is the first printing ink manufacturer to offer a UV offset series suitable for food applications that meets the strictest product standard of international environmental research.

In the scope of its ink development project, **Siegwerk collaborated closely with Werner & Mertz GmbH in Mainz, Germany**, an innovative brand manufacturer that now uses the new, sustainable UV offset series for printing its labels.

Cradle to Cradle is concerned primarily with the safe and uninterrupted circulation of materials in closed-loop cycles. With its Gold certification, the Cradle to Cradle Institute in San Francisco, USA, confirms the adherence to strictly defined assessment criteria for all components and ingredients in the printed ink layer and the corresponding product.

Sustainability

The needs of future generations in mind

- As a family-run business, Siegwerk is always thinking of the generations to come
- Our printing inks are environmentally compatible and user-friendly
- We offer the widest range of low migration UV inks
- We develop printing inks together with our customers – and this with heart and soul





TEMPO Plastoffset Premium for plastics

Process: Conventional sheet-fed offset
Application: Packaging, IML
Series: TEMPO Plastoffset Premium

The ideal solution for applications on non-absorbent substrates such as in-mold and metallized labels.

It is always annoying when printing inks do not adhere properly to non-absorbent substrates. The adhesion properties of the upgraded TEMPO Plastoffset Premium series are excellent. Due to

a stable water-ink balance, the obtained printing productivity is remarkable. The better drying characteristics avoid set-off risks and reduce time between end of printing and post-printing operations. No substrate distortion and perfect positioning in the mold in case of IML applications. Furthermore, the series is optimized with regard to migration and residual odor. In addition to the 4 process colors, the concentrated mixing bases are now also available and successfully used.

Komori Open House event with Siegwark's attendance

(On 4th and 5th October in Utrecht/ Netherlands)

A technology showdown of H-UV and H-UV L (LED) and Digital Printing

In several live demonstrations, visitors were shown the full range of low energy UV drying systems. They were able to explore and compare the different UV curing solutions such as H-UV and H-UV L. Customers and guests also had the opportunity to exchange views with Siegwark ink experts. For the second time, Komori and Siegwark presented themselves together as ink and

development partners. The shared vision of Komori and Siegwark regarding the H-UV and H-UV L systems is to increase the productivity with a very high printing quality and the saving of energy.



Latest state-of-the-art equipment for migration testing



Once again, Siegwark has significantly invested in the latest analytical technology; this time it is the high-resolution mass spectrometry (HRMS).

For the last five years, Siegwark's analytical laboratory in Annemasse/France has been using mass spectrometers as cutting-edge technology for migration testing in order to meet the strict regulations of the food chain management.

The new purchase is a **Q Exactive Focus mass spectrometer coupled to ultra-high pressure liquid chromatography** from the US company Thermo Fisher Scientific, the world leader in lab equipment. Superior performance and exceptional sensitivity allow lower limits of detection and quantitation.



COLOR NEWS

Are you interested?

You can now download the COLOR NEWS leaflets from the Siegwark website:
www.siegwerk.com/en/news/newsletter.html