

NARROW WEB

News for Narrow Web | Canada & United States (CUSA) Edition

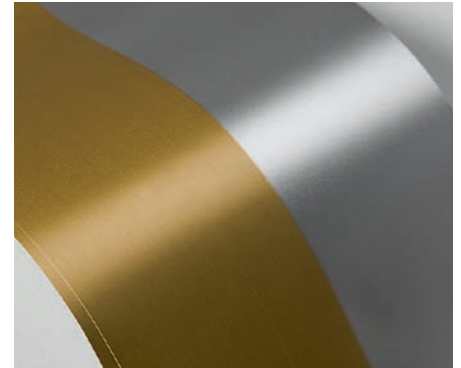


Proven Low Migration UV Flexographic Metallic Inks further optimized

Process: *UV flexographic printing*
Application: *Labels, food packaging*
Series: *Nutriflex Metallic E02*

These UV flexographic metallic inks are very popular due to their shine and excellent printing properties. They are entirely free of Bisphenol A (BPA) based raw materials.

Siegwerk metallic inks are also distinguished by their extremely low migration potential, barely noticeable odor and exceptional adhesion. They do not form any micro-blisters, even at high speeds. Thanks to their special components, they are ideal for demanding applications in the food industry. Compared to previous metallic inks, all substances that might contain



traces of BPA have been eliminated in the new formula. Hence these metallic inks are compatible with the latest Nestlé Guidance Note.

Update to the Nestlé Guidance Note on Packaging Printing Inks

The Nestlé guidelines relating to the use of printing inks are regarded as authoritative and are generally observed in the food industry right across Europe. The latest update to these guidelines (version 09-2016) includes the following innovations:

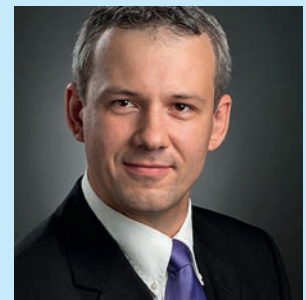
- Printing inks and varnishes cannot be produced with any raw materials that contain Bisphenol A (BPA).
- Substances of Very High Concern (SVHCs) substances that are categorized as particularly hazardous in the REACH regulation may not be used.
- In Europe, all printing inks must be produced with raw materials that appear on the Positive List in the Appendix to Swiss Ordinance 817.023.21.

- Naturally, printed food packaging must meet the obligatory migration limit values.

The printer of food packaging should undergo analytical migration tests depending on the potential migration risk. On request, Siegwerk will provide a description of the composition formula. Specifically, Siegwerk is prepared to pass this information to the person in charge of checking, under the cover of a confidential disclosure document.

Please speak to your contact at Siegwerk for a specific declaration of conformity.

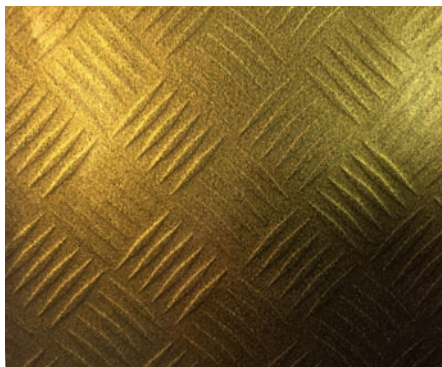
Welcome...



Konstantin Zuyev. Since November 1, 2016, he is the new Head of Technical Development in the Narrow Web Business Unit in Europe. Konstantin Zuyev has great experience in the development of flexographic and screen printing inks, as well as UV and LED inks for labels and food packaging.
(konstantin.zuyev@siegwerk.com)



3D Evolution – a Striking 3D Effect!



A unique 3D look, created with Iridodin® pigment in Siegwark's UV flexographic varnish

3D evolution is a patented system developed in tandem with **Merck** and **Rudolf Reproflex**. It consists of printing a 3D effect that visually simulates embossing. Just an inline or offline double coating unit or a multi-ink flexographic printing machine with UV drying is required. In the first coating unit, a varnish based on Merck Iridodin® effect pigments and Siegwark's SICURA Flex OPV is applied to the substrate. In the second coating unit, which is equipped with a special Rudolf Reproflex GmbH photopolymer plate, a 3D effect is created – a delicate «Kiss Print» process in which the alignment of the pearl luster pigments in the wet ink layer is repositioned and rearranged.

Siegwerk recommends SICURA UV flexographic varnish (validated by Merck) in applications for luxury packaging such as cosmetics, perfumes or spirits. The corresponding viscosity, adhesion properties and flexibility, plus the mechanical resistance, create a stunning effect and also meet the strict requirements for luxury packaging.

For more information, please contact Jarek.sliwinski@siegwerk.com.



A new «explicit» on LED

LED technology is one of the growth promoters of the moment in the market. Now migration-optimized LED UV flexographic inks are also available for the Narrow Web sector. Such inks are being developed for sheet-fed offset inks, so in the coming years there will be further movement towards conventional LED UV inks. The widening of application possibilities enables printers to use LED UV inks for the entire range of printing jobs, which of course encourages the implementation of the new technology. Specific investment in the corresponding equipment is now starting to take place, and we will soon see an increase in LED UV applications.

The «explicit» on LED technology is available on request from explicit@siegwerk.com.

The «explicit» on LED technology is available on request from explicit@siegwerk.com.

NEW: Migration-optimized UV LED flexographic Gloss Varnish

Process: LED UV flexographic printing
Application: Labels, packaging
Series: SICURA Nutriflex LEDTec

This high gloss UV overprinting varnish was specially developed for applications in the food and pharmaceuticals sector.

It is appreciated not only for its excellent gloss but also for the nice flow and good abrasion resistance. It can also be overprinted in thermal transfer. While LED varnishes usually tend to yellow, this new gloss varnish is **practically yellowing-free due to the specially selected photoinitiators and binders.**

Visit us

at the Siegwark INKday in Istanbul, Turkey **on 20 April 2017**
at the Siegwark INKday in Lodz, Poland **on 18 May 2017**

