

NARROW WEB

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



New LED screen printing white

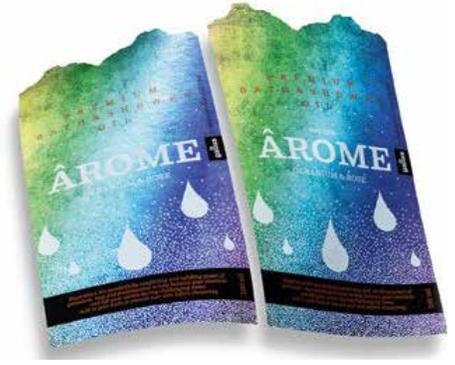
Process: LED UV screen printing

Application: Labels

Series: SICURA Screen LEDTec

With this new development for LED UV screen printing, Siegwerk has managed to create yet another excellent product. No matter where it has been used, it has never failed to attract words of praise – at the Gallus Innovation Days for example (see adjacent article). The label shown was printed at the **Gallas Innovation Days at a speed of 300 FPM.**

The new LED white screen printing ink has **higher pigmentation than normal and exhibits impressive opacity at low viscosity.** Areas and texts can be easily printed even on large amounts of ink. The white is silicone-free, lies very cleanly and develops no pinholes. It can be overprinted by screen, flexographic, offset or letterpress printing with no problems.



Another important quality is that it does not yellow, which has been a common problem for LED white.

SICURA Flex used by PrintCity

In a recent project, a combination of UV inks, matte varnish and screen printing relief ink was used on a self-adhesive label to reproduce the effects of folding carton packaging, which was achieved by using a metallized substrate and by embossing/debossing. The label has the same optical and textural effects as the packaging. The inks were UV flexographic inks from the SICURA Flex series.



PrintCity is an alliance of leading operations in the printing and packaging industry who mutually support each other on certain projects.

Interesting news from the Gallus Innovation Days

In September, Gallus presented its latest label printing machines at its company fair. Especially interesting for the narrow web industry was their presentation of the new «Gallus Labelmaster» with special, individually configurable platform. At a maximum speed of 200 m/min and extremely short make-ready times, this machine is the fastest Gallus has ever built. Commercial launch is planned for the 2nd quarter of 2017.



KDS finds success in printing with SICURA Nutriflex LEDTec migration-optimized LED UV inks

The printer KDS (with production facilities in Sulejówek and Pionki) was founded in 1997 and is one of the leading manufacturers of special labels – including labels for food packaging. In 2014, KDS owner Tomasz Dabrowski was one of the first printers in Europe to invest in LED UV technology. Two LED UV flexographic printing machines are already producing prints at his firm. “Working with the most eco-friendly technology available today was an important factor in our decision,” explains Tomasz Dabrowski.

Besides energy efficiency and low heat production, other advantages are the long life of the LED UV lamps and that no ozone is produced, meaning there is no need for extraction.

“Our choice of ink supplier was not a hasty decision,” Tomasz Dabrowski adds. KDS has been working with three ink suppliers in recent years to find the most suitable partner for LED UV technology. “For us, it was important to choose an internationally present supplier who has technical know-how and a broad UV portfolio, including migration-optimized LED UV inks, and who also has a local production and service network in Poland guaranteeing onsite support,” Tomasz Dabrowski continues. “Ultimately, after the whole selection process, Siegwirk proved to be the best across the board.”



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Newly optimized UV Flexographic White LM

Excellent adhesion on diverse materials, with very high opacity and good scratch resistance.

This white has always exhibited high opacity, good printability and perfect lay of the ink. Now, its adhesion on conventional materials and its reactivity have been further optimized to make this white ideal for use in almost all applications in the food industry.

Process: UV flexoprint

Application: Labels, food packaging

Series: SICURA Nutriflex White