

UPDATE

News for offset printers · BU Sheetfed · EMEA Edition



AtéCé appointed exclusive distributor for Siegwerk's UV inks in the Netherlands

Siegwerk has approved AtéCé Graphic Products, the Benelux market leader in offset plates, printing inks and coatings,



as distributor for its UV ink portfolio in the Benelux region. AtéCé will provide its customers with Siegwerk's high quality **UV and LED UV ink series as well as further UV inks developed and optimized for Komori's H-UV system**. Siegwerk and Komori have lately signed a manufacturing and supply agreement for UV inks. These highly sensitive UV inks produced by Siegwerk are sold under the brand name «K-Supply».

(from left) Marcel Bos (AtéCé), Cleo Nomikos (Siegwerk), Bert Schelhaas (AtéCé), Björn Torfs (Siegwerk), Bernard van Stegeren (AtéCé)

Komori Open House event with Siegwerk assistance

(on 19th and 20th October in Utrecht/Netherlands)

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

In several live demonstrations, visitors were shown the full range of H-UV accelerated drying systems. They were able to explore and compare the different UV curing solutions. Customers and guests then attended a technology seminar where Siegwerk's experts also took part. For the first time, Komori and Siegwerk presented themselves together as ink and development partners. The shared vision of Komori and Siegwerk regarding the H-UV and H-UV L systems is to increase the productivity and to save energy.

Amazing: The new Hybrid Soft Touch Varnish

Process: Flexo coating on offset press

Application: Packaging, commercial printing

Name: Soft Touch Hybrid OPV

Product number: 10-617095-4

This new OPV exhibits an excellent soft touch effect combined with a very good rub resistance. And this is where the real breakthrough is: It is a hybrid varnish made of a selection of UV water-dilutable raw materials.

When the consumer picks up a product at the point of sale, it all depends on how the packaging feels at the first touch. This is where a tactile varnish shows its strength. Siegwerk recently developed this special hybrid soft touch OPV. **It cures in two**

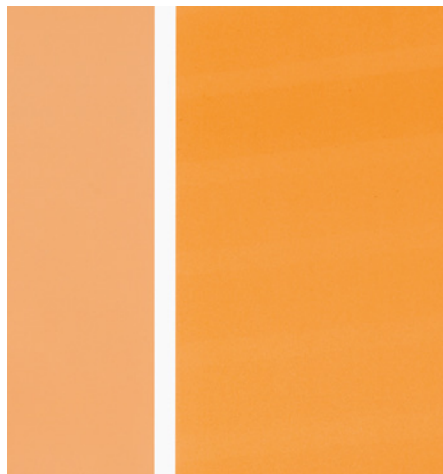
ways, first through a heating or IR dryer in order to evaporate the water, and then by free radical mechanism with UV light. The printing process is flexo but it requires a double drying system which is present on twin-coating presses. The choice of the anilox and the viscosity are two key parameters to get the best benefits and the tactile aspect of this OPV. It is printable directly on cardboards as well as over UV or conventional sheet-fed inks. The smooth surface and its velvety feel of softness are not only suitable for exclusive but also for everyday products, which can be associated with a pleasant sensation on the skin.

New Customer Portal: All about safe use of Siegwerk printing inks

«Our goal is to provide customers with the safest products in the ink industry», says Dr. J.-P. Langhammer, Vice President Global HSE + Sustainability of Siegwerk. **The new portal will be activated in January** and serves to provide many information on printing inks and the continuous effort Siegwerk is spending to make inks safer especially for sensitive applications like food packaging. It contains e.g. information on composition of different ink systems, regulatory background, risk assessment procedures, NIAS. Customers will find everything useful – from informative charts, videos, in-depth information to e-learning modules.



New daylight fluorescent inks



Left: as before, right: new

Process: UV offset printing
Application: Commercial printing
Series: SICURA Litho Fluo

Extremely color intensive and fluorescent – free of formaldehyde!

Flashy yellow, orange, red or green; fluorescent action in the Pantone colors 801 to 807. The new inks are formulated to appear even stronger and **contain no formaldehyde** (< 0.1 %). With very good printability on papers and selected plastics, the new generation of fluorescent inks is also distinguished by optimal flow properties and rapid drying.

explicit
Technology in detail

A new «explicit» about LED

LED technology is one of the present growth drivers in the market. Now, first low migration LED UV ink systems for flexographic Narrow Web applications are available. When sheetfed versions will be developed, there will be a further shift from conventional to LED UV over the course of the next years. An expansion of applications will enable printers to use LED UV inks for their full range of print jobs which of course will then drive the implementation and usage of this technology. Many decisions have already been made in favor of the low energy UV technology. Now concrete investments in terms of appropriate equipment and machinery will follow and we will see an increase in LED UV applications soon. «explicit» on LED technology is available on request at explicit@siegwerk.com.

Fountain solutions for every need

Siegwerk supplies offset printers with fountain solutions exactly as they need them:

- alcohol-free or alcohol-reduced,
- for conventional offset or UV offset printing,
- for hard water, soft water or osmosis water,

- and especially for food packaging applications.
- All our fountain solutions allow one to reduce the consumption of fountain water, to permit better dot gain, and much better setting stability.

TABLE of ADDITIVES

Product name	Article number	Recommended alcohol %	Type of inks			Usual recommended %	Color	Main usage
			Conventional	UV	pH			
AQUALITE 2014	65-060199-0	3 – 8	yes	yes	4,8 – 5,8	3 – 4	green	alcohol reducer – versatile
AQUAMAX SA	65-060007-5	0 – 5	yes	yes	4,8 – 5,2	2 – 3	blue	alcohol reducer down to 0%
AQUAMAX SA 2025	65-060016-6	0	yes	yes	6,3 – 7,0	3 – 4	brown yellow	without alcohol, neutral pH
AQUAMAX SA 2035	65-060008-3	0	yes	yes	4,6 – 5,2	5 – 8	green	without alcohol – versatile
AQUAMAX SA 2075	65-060017-4	0	yes	yes	4,9 – 5,5	3 – 4	violet	recommended for low energy inks
AQUA UV SA 2045	85-060000-8	0	no	yes	4,2 – 4,6	1 – 5	green	without alcohol for UV inks only
AQUAFOOD	65-060012-5	0	no	yes	4,6 – 5,2	4 – 6	green	for food packaging
AQUAWEB C	65-060011-7	8 – 12	yes	yes	4,7 – 4,8	2 – 3	red	for web applications

Above information are indicated for a water hardness between 10 and 20 French degrees

TEMPO Nutripack 2 for sensitive food packaging



It is the ideal offset solution for fast and safe food packaging printing. Nutripack 2 inks are used on food packaging such as for chocolates, cookies, pasta, etc. Due to their special recipes, the inks can be printed at more than 18.000 sheets/hour. A brochure on the TEMPO Nutripack 2 series has been published. Interested? Contact info@siegwerk.com to receive this brochure.