

SICURA PLAST SP – a huge success

Outstanding properties in terms of adhesion and flowability, as well as runnability, not only on paper and cardboard but also on non-absorbent substrates.

Process: UV offset
SICURA PLAST SP



The rheological properties of the series enable both wet trapping with graduated tack and printing with intermediate drying after each ink application.

SICURA PLAST SP is exceptionally **intensely pigmented**, cures easily and possesses a very good ink-water balance. The inks have excellent processing qualities, do not cause any build-up and are characterised by low dot gain. They lend themselves well to coating with lacquer and lamination and contain no benzophenone.

NEW: Low migration UV flexo primer (2-component)

Process: UV flexoprint
SICURA FLEX 39-9PSF
Product no. of primer: 85-601856-9
Product no. of hardener: 71-470074-7

A primer that ticks all the boxes: virtually migration-free, low-odour, quick-drying and non-yellowing.

Thanks to the good gradient, good overprintability is assured. The exceptional 2-component primer satisfies all the criteria for low migration applications and **exhibits outstanding adhesion** on PP, OPP, PET, PA and PE. It is based on the tried and tested 39-9PSF UV flexo series and is highly resistant to sterilisation. The pot life (i.e. the time for which the primer remains usable for processing after mixing the two components) is 6–8 hours.

New cold foil adhesive

A growing number of printers are employing the cold foil process for label printing. It is with them in mind that Siegwark has developed this new cold foil adhesive.

Process: UV flexoprint
Application: metallised labels
Product number: 85-600358-7

At Labelexpo in Brussels last autumn, the renowned printing press manufacturer Gallus produced metallised labels (see picture) using the cold foil process on its latest Gallus ECS 340 machine. The machine operators were delighted by

the outstanding properties of Siegwark's new adhesive, especially **the excellent adhesion on widely different substrates and the high reactivity**. These enable machine speeds of 150 m/min in normal operation. Application rate on paper: 5–6 gm²; on non-absorbent substrates: 3–4 gm².



New UV flexo opaque white with exemplary adhesion

Process: UV flexoprint
 White F RAD LM 0001
 Product number: 81-000174-3



Excellent adhesion on a variety of substrates, high reactivity and suitability for low migration applications are the valuable advantages of this recently reformulated flexo opaque white.

It possesses good flow characteristics and processing qualities, exhibits high mechanical resistance and stands out for its printing qualities. **High production speeds** of up to 120 m/min are easily attainable. The opaque white can also be printed on primed aluminium foil. The high opacity enables optimum colour reproduction. The flexo opaque white is suitable for low migration applications.

A brief note

Combination printing with UV flexo opaque white and ART anilox rollers

SICURA FLEX WHITE
 White F RAD Label 0004
 Product number: 81-010220-2

In «label» No. 66 (January 2010) we presented SICURA FLEX WHITE as an alternative to screen print opaque white. **Special ART anilox rollers made by PRAXAIR are used to print it.** Numerous customers have responded by asking about the line count and cell volumes of these anilox rollers.

In successful tests at the end of 2009, we worked with the following four **anilox rollers**:

80 l/cm 26.1 cm³/m² 100 l/cm 28.7 cm³/m²
 140 l/cm 21.0 cm³/m² 160 l/cm 17.5 cm³/m²

Ask your Siegwerk application technician for sample prints.

Experience Report

High-quality combination printing with Siegwerk inks



ILKETAP Label & Packaging Co. is one of Turkey's leading label producers. On its newly acquired 11-colour Nilpeter machine, it mainly uses Siegwerk inks. Gökhan Öztel, Vice Chairman of the Board, voices his great satisfaction regarding the collaboration with Siegwerk.

Gökhan Öztel

«For more than 29 years, our company has been producing labels of every kind. We focus particularly on labels for food-stuffs, cleaning agents, personal care products (such as shampoos) and beverages. The new Nilpeter machine with four integrated printing processes (roto-gravure, flexographic printing, offset, screen printing) and in-line cold foil/hot foil lamination has expanded our product diversity enormously. We are highly satisfied with the opportunities that combination printing opens up and with the **SICURA PLAST SP and SICURA FLEX 39-8 ink series, as well as the opaque white 110 from the SICURA**

SCREEN 78-6 series supplied by Siegwerk for this purpose. We operate with production speeds of around 100 m/min.»



ILKETAP®
 ETİKET VE AMBALAJ SAN. TİC. A.Ş.

Only LM systems are permissible for food packaging use!

On 1 April 2010, new regulations come into force in Switzerland.

The relevant ordinance, which has been increased in strictness by the Swiss Federal Office of Public Health, stipulates in Article 26e that printing inks and varnishes for food packaging may **only consist of substances contained in the new positive list.** For its UV-curing LM systems (= low migration) Siegwerk exclusively uses raw materials contained in that list. Moreover, UV-printed food packaging is required to **meet the migration threshold value of <10 ppb resp. <50 ppb.** This value can **only be complied with by means of low migration ink and varnish systems** such as those which have long been offered by Siegwerk.

Foreign foodstuff manufacturers are affected by the regulations if their packaged products are imported into Switzerland. Ask your Siegwerk application technician for the «Selection of Siegwerk UV LM Systems» customer information.