

SIHL AT THE LABELXPO 2019

This year, Sihl will once again be presenting a cross section of its broad portfolio at Labelexpo Europe in Brussels, the world's largest event for the label and packaging industry. The focus here will be on digital printing and sustainability. Sihl will be presenting applications from the FACESTOCK, DURABLES and PRESSURETAC ranges. The new PACKAGING range will be shown here for the first time.

ARTYSIO – innovative and functional packaging solutions for water-based inkjet printing

With its **ARTYSIO** brand, Sihl is presenting an innovation in the manufacture of packaging using digital inkjet printing for narrow web printers, brand-name manufacturers and converters. This means that customised packaging can be produced quickly and flexibly, even for the smallest orders. New sales concepts and product presentations open up new markets for narrow web printers, converters and brand-name manufacturers.

In cooperation with various printing-component manufacturers, Sihl has developed a unique solution that makes it possible to combine a sustainable, plastic-based material with high-quality, environmentally friendly water-based digital inkjet printing.

Sihl offers six different laminated films based on PET or PP materials. All laminates have been manufactured according to GMP (good manufacturing practices) guidelines and developed for the production of flexible, primary and secondary packaging for the food and non-food sector.

Due to the design of the product and the very fast fixing of water-based ink, ARTYSIO products are particularly suitable for print & pack, where packages are printed and filled inline in a single step.

Depending on the running characteristics of the laminate, Sihl thus enables a wide range of packaging applications. Its excellent sealing properties are characterised by maximum product safety, very strong seals (heat seal and ultrasonic) and trouble-free processing on machines. ARTYSIO products can also be easily opened in a controlled way via the 'easy opening' function.

ARTYSIO has numerous other advantages, including brilliant, photorealistic printing results and very good barrier properties. In addition, there are the advantages of the water-based inkjet printing technology, whereby there is no unwanted odour caused by ink or residual solvents that can migrate to the product.

FACESTOCK – new films for water-based inkjet printing

In Brussels, Sihl is presenting a new development in the field of films for water-based inkjet printing as part of its **FACESTOCK** range. The products **O-60 white IHG1** (white glossy), **O-60 white IG1** (white satin), **O-60 transparent IG1** (clear glossy) have been approved for contact with food and Sihl can provide them with a DoC (Declaration of Compliance) thanks to its GMP (Good Manufacturing Practice). For a good feeling and for printed product labels which comply with the strict EU regulations about materials in contact with food.

The tried and tested BOPP and PET films have good process characteristics and are suitable for both dye and pigment inks. For applicators of self-adhesive coatings and downstream processors, the films offer a wide range of manufacturing options that do not require any change to the processes. End customers get a fast-drying, easy-to-process product with high colour brilliance and sharply contoured printouts.

Some Sihl FACESTOCK products also contribute to a reduction in environmental impact with weight savings of 20% to 42% compared to equivalent inkjet films, depending on the type of ink and film. In the production of selected FACESTOCK films, PET base films with a post consumer recycling (PCR) share of up to 90% can be used. Sihl FACESTOCK can thus make a contribution to invigorating the recycling of plastics.

Sihl FACESTOCK also includes new white and transparent glossy films for dry toner laser printing: **PICOFILM P-50 white LG1** and **PICOFILM P-50 clear LG1**. They complete the existing range in satin and matt. They are particularly suitable as product labels which are subject to mechanical stress. The coating is scratch and smudge resistant and meets the requirements of BS5609 section 3. They provide very good results on laser printers, especially on the newly developed OKI (PRO 1040/1050) and Konica-Minolta (Acure L 230) printers.

PRESSURETAC – a label that leaves no residue

The **PRESSURETAC** range guarantees residue-free labelling of goods in logistics. These tags only stick to themselves and do not stick to any other materials. This will be demonstrated live at Labelexpo. Visitors can try out thermal transfer printing for themselves, attaching and removing the loop tags. Easy, fast, with no waste or residue!

ENDURO – the more sustainable alternative to fully synthetic materials

Products made of **ENDURO** are durable and hard-wearing. This is made possible by a special composite material with a film core surrounded by two layers of paper. This is how ENDURO combines the best properties of paper and film. It can be processed like paper, perfectly printed and written on, but it is also resistant to edge and wet tearing, robust and impermeable to water.

ENDURO contributes to sustainability. Due to its multilayered structure with a high proportion of paper, ENDURO offers in many cases an inexpensive and ecologically sustainable alternative to fully synthetic products, but still durable and hard-wearing. The proportion of film can thus be significantly reduced. ENDURO is PVC-free and FSC®-certified (Forest Stewardship Council). The paper fibres used can be recycled.

We are currently developing new types of ENDURO with a film core based on renewable raw materials and recycled polyester. The first samples will be shown at Labelexpo.

ENDURO is available in 80–345 g/m² in white or semi-transparent, with different paper surfaces and film cores. Depending on the application, types with special properties are available: food-safe, extra water-repellent, metal-detectable, opaque, RFID/NFC shielding function, as well as types for direct thermal printing.

Sihl is looking forward to all visitors in Hall 6, Stand C 15

Further information on the products can also be found on the detailed product websites using the following

links:

www.artysio-packaging.com

<https://www.sihl.com/en/facestock/>

<https://www.sihl.com/en/enduro/>

<https://www.sihl.com/en/sihl-durables/>

<https://www.sihl.com/en/pressuretac/>

What we are

SiHL is the leading expert for printing media solutions in a fast growing digital imaging market. As a high-performing, international company, SiHL offers all-important technological expertise and in-depth, comprehensive knowledge of the industry.

With its futureproof product solutions, SiHL strengthens its customers' market position and makes a significant contribution to improving its customers' and partners' added value with innovative services

www.sihl.com

Katja Pschierer

Project manager Marketing

SiHL GmbH • Kreuzauer Strasse 33 • 52355 Düren • Germany

T +49 151 673 254 61 • F +49 2421 597 452 • E katja.pschierer@sihl.com

SIHL – Simply the better solution