Press
INFO

Marabu

Marabu at K 2016 – inks for a "world of plastics"

Plastic is an exceptional material, and provides many of the conveniences we enjoy in our day-to-day lives. Its wide range of applications was on display at K 2016, the world's leading trade fair for plastics and rubber, held in Duesseldorf, Germany. Marabu was among the exhibitors, and showcased its solutions for this versatile substrate – including inks for screen, digital and pad printing.

Tamm, Germany, 2 November 2016 – *At this year's K trade fair from 19 to 26 October in Duesseldorf, Marabu presented its inks for a multi-faceted substrate: plastic. The enterprise spotlighted its highly reactive, LED-curable products, and low-migration UV-curable screen printing inks for personal care packaging. A further highlight, its inks for printing in the auto industry and for touch user interfaces, proved highly popular. Marabu also exhibited its water-based range – the result of a successful partnership with a German toy manufacturer. Additionally, there was strong interest in its recently developed water-based inkjet inks for plastics.*

LED-Curable Screen Printing Inks for Packaging

LED UV-curing is a fast-growing trend, particularly in the packaging industry. At the K trade show, Marabu has been showcasing its Ultra *Pack* LEDC ink line. Purpose-developed for packaging and containers, these LED UV-curable and highly reactive screen printing inks deliver outstanding results in terms of adhesion, opacity and gloss.

Low-migration inks key in the packaging industry

Personal care packaging, such as shampoo bottles and cosmetics tubes, come in a wide array of shapes and sizes. Not only do inks need to meet rising expectations in terms of attributes and appearance, but they must also comply with legislation. This includes low-migration requirements – i.e. inks must be formulated to minimise the transfer of their ingredients to packaged items, safeguarding the health of the user. At K, Marabu exhibited its Ultra *Pack* UVCP UV-curable screen printing inks; the ingredients are selected with the utmost care, and fulfil stringent criteria based on food packaging standards. Moreover, their suitability is further verified by basic analysis and a risk assessment. The new range is ideal for printing on packaging for personal care products, and caught the eye of many plastics industry professionals.

Branding on diverse containers

Take a look at the shelves in a supermarket, and it is clear what sells: products that are unique, eye-catching, and meet the needs of their target groups. And the first impression made by the packaging plays a key role. In fact, packaging – including for personal care items, food, and pharmaceuticals – is key to successful product marketing. PET, one of the most important thermoplastics, is a common material in packaging. For the best decoration results, Marabu developed its

Your contact partner: Katharina Rogner, rog@marabu.com, Phone: +49 7141/691-360, Fax: +49 7141/691-242
Marabu GmbH & Co. KG, Asperger Straße 4, 71732 Tamm GERMANY, www.marabu-inks.com

Ultra *Pack* UVPHR inks with this substrate in mind. These screen printing inks are highly reactive, making them suitable for use with high-speed equipment. They can be leveraged to communicate branded messaging, and offer a number of other advantages – and were met with enthusiasm from K visitors.

Industrial printing – spotlight on input systems

In car manufacturing and beyond, membrane switches and capacitive systems, such as plastic touch panels, are vital to controls used for electronic functions. With this in mind, Marabu offers solvent-based and UV-curable ink lines for all commonly used films. Ultra *Switch* UVSW dries rapidly by means of UV curing, and is formulated to avoid clogging mesh screens. The ink film is also highly elastic and individual layers feature excellent adhesion. The solvent-based Mara® *Switch* MSW range is ideal for front panels and membrane switches, high-quality touch user interfaces for industrial systems, and for diverse controls, such as black and white panels. In this context, the non-conductive MSW ink system offers exceptional coverage, and high resistance to adhesives and moisture.

IMD – perfect for injection moulding

Coloured injection moulded parts with scratch- and abrasion-resistant decorations are a firm fixture in everyday life. With this in mind, Marabu has created a line of inks specifically for this purpose: its UV-curable Ultra *Mold* UVPC products. These inks do not require any additional tempering, accelerating the manufacturing process. Moreover, the ink film is highly flexible, and guarantees outstanding mouldability. A further line of UV-curable inks shown at K was the dual-cure Mara® *Cure* HY for screen printing. The two-component range can be deployed for diverse applications and to create attractive glossy and matte effects. Additionally, visitors interested in solvent-based ink systems had the opportunity to discover the attributes of Mara® *Mold* MPC inks. The one- or two-component products ensure very good mouldability, combined with excellent adhesion to injection-moulded materials. In-mould decoration is the method of choice for highly precise moulded parts – objects that have to meet the exacting demands of their respective industries. These encompass an extensive variety of items, including dashboard components such as speedometers, switches and other controls.

Safety for Sensitive Products

Sensitive products, such as toys, baby items and medical supplies, are associated with heightened safety requirements. The manufacturer must guarantee that neither substrate nor ink pose a health hazard to the user or consumer. In addition to the existing solvent-based pad printing inks, Tampa® *Tex* TPX and Tampa® *Plus* TPL, Marabu has now introduced a new water-based system. These innovative and eco-friendly inks feature the Maqua® *Coat* MAF base shades, plus Maqua® *Color* MAC concentrates. The inks dry very quickly to leave a high-quality silk-matte finish that is highly scratch-resistant.

Your contact partner: Katharina Rogner, rog@marabu.com, Phone: +49 7141/691-360, Fax: +49 7141/691-242
Marabu GmbH & Co. KG, Asperger Straße 4, 71732 Tamm GERMANY, www.marabu-inks.com

Water-Based Inks for Inkjet Printing on Plastic Substrates in Industrial Scenarios

The latest water-based inkjet technologies and Marabu's purpose-developed Maqua® *Jet* ink lines represent a highly eco-friendly alternative to UV-curables. As the technology leader in water-based products for this segment, Marabu currently offers inkjet products that are specially engineered for plastics such as ABS and polystyrene, and for flexible materials such PET, OPP and polyethylene films. At K, Marabu demonstrated a number of the advantages of water-based inks for inkjet printing on plastic. They produce a flexible ink film and adhere to a wide range of substrates. Furthermore, they posses excellent mechanical resistance. The range was very well received at K.

Marabu GmbH & Co. KG

Marabu is a leading global manufacturer of liquid coatings and screen, digital, and pad inks with headquarters near Stuttgart, Germany. Marabu's track record of innovation stretches back to 1859, featuring many industry-first solutions for both industrial applications and graphic design. With its 14 subsidiaries and exclusive distribution partners, Marabu offers high-quality products and customer-specific services in more than 80 countries. Exceptional technical support, hands-on customer training, and environmental protection are core elements of its corporate philosophy. Sustainable business practices are also key to Marabu's vision. These have been implemented through a number of initiatives, with concrete results – and the company is committed to maintaining this course of action in future. Marabu has been certified to ISO 9001 since 1995 and to ISO 14001 since 2003.

Your contact partner: Katharina Rogner, rog@marabu.com, Phone: +49 7141/691-360, Fax: +49 7141/691-242
Marabu GmbH & Co. KG, Asperger Straße 4, 71732 Tamm GERMANY, www.marabu-inks.com