

# INPRINT **pressrelease**

07/2011 | 2011-03-03 | P.1/2



14 - 17 March • Dubai  
**GULF PRINT  
& PACK 2011**  
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## **KOLBUS tests new Planatol thermoplastic adhesives for perfect binding**

Planatol Adhesive GmbH, one of the leading suppliers of adhesives for the graphic arts industry, launched four new thermoplastic adhesives for perfect binding on the market in 2010. The performance of the new hot melt and PUR adhesives was confirmed with impressive results by different test runs at the Information and Training Centre of the book binder machine manufacturer KOLBUS GmbH & Co. KG in Rahden, North-Rhine Westphalia at the end of November.

**The new Planatol HM 2941**, a light-coloured, is just as suitable for general perfect binding as it is for the two-shot procedure, which is recommended by experts for very high machine speeds. For the two-shot procedure, HM 2941 is applied as a primer at 170°C at a viscosity of approximately 1000 mPas in order to achieve ideal sheet edge wetting. As a primary glue, the glue is applied at 130°C at approximately 3000 mPas. Using this process the KOLBUS Information Centre was easily able to produce perfect bindings on the high-speed KM 412E perfect binder at 18,000 cycles per hour.

**The new Planatol HM 2959 side glue**, produced in the shape of small pads, is processed with excellent results and without splashing. Its high tack and long open time result in a uniformly thin adhesive coat. "We are very pleased with the good results attained right away. The brochures, which were produced using a 50 g/m<sup>2</sup> gravure paper, produced pull values consistently above 7 N/cm, and even a heavy paper that is normally bonded with a PUR thermoplastic adhesive produced these good pull values," says Udo Beitans, head of KOLBUS information workshops and user training.

Likewise, **the Planatol S-PUR 2954** (Safety PUR, VOC-exempt) and **PUR 2880 W** thermoplastic adhesives were tested at KOLBUS with excellent results on the KM 600 perfect binder with a Nordson EP 48 V nozzle at 7,000 cycles. Both glues were easy to use. Planatol Safety PUR in particular did well due to its excellent hot tack and quick crystallisation. Even with thick brochures, this VOC-exempt PUR glue does not cause displacement of the individual layers and provides a good pot life, yet quickly sets when exposed to humidity. PUR 2880 W is appealing due to the fact that it sets very quickly and has good reactivity, which also makes this PUR suitable for very high machine speeds.

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Kolbus offers the most extensive machine range in the industry. Hardcover as well as adhesive bound products such as catalogues, magazines, schoolbooks, paperbacks, and a variety of other products.

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Kolbus Perfect Binder KM 412