

13 N/cm

170 g/m<sup>2</sup>

PUR-at-heart, applicable as EVA:  
The new hotmelt technology **PLANAMELT**

PLANATOL®

# PUR-like quality on hotmelt equipment

Excellent running characteristics

without modification of existing hotmelt equipment

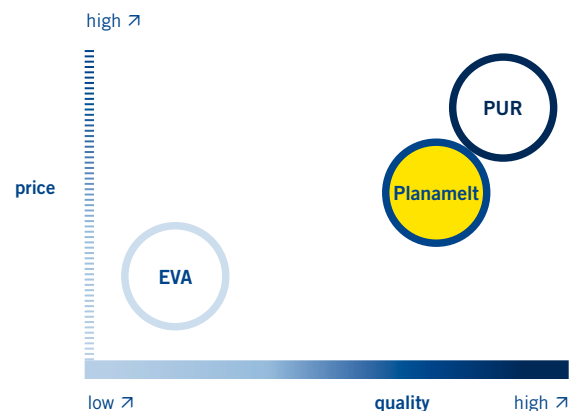
High oil resistance

Perfect for thick and different paper grades

High resistance to thermal distortion

Best durability in digital printing

Very good layflat characteristics



**PUR or EVA? Planamelt combines PUR-like quality with the advantages of EVA adhesives in one system.**

Planamelt is a new hotmelt technology, especially developed for the requirements of the graphic arts industry – and therefore the first choice for adhesive bindings and side gluing of any print products.

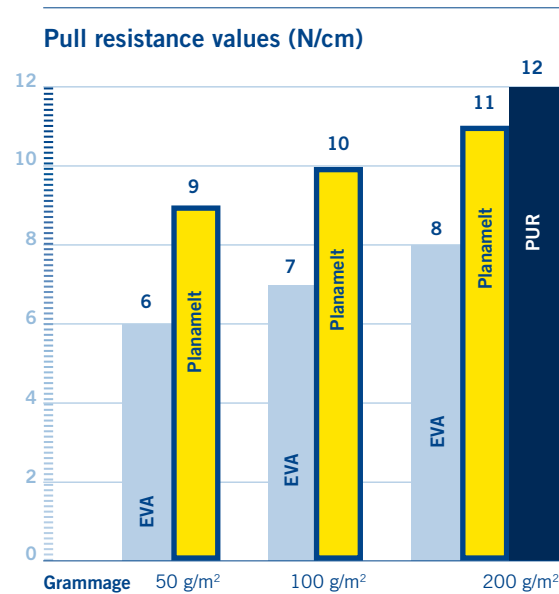
Easy and simple processing and high quality in adhesive bindings speak for themselves. Planamelt allows convenient processing also for difficult papers and grammages up to 250 g/m<sup>2</sup>. The result is impressive: outstanding strength of the adhesive binding – excellent layflat characteristics – high stability of thermal energy, viscosity and adhesive properties.

The processing is simple and convenient at optimal working conditions due to low odour. Also the machines benefit, by reducing maintenance requirements, waste and machine breakdown significantly. Planamelt is suitable for nozzle and roller application on current hotmelt systems. The special feature of Planamelt is clear from its measured values. With its exceptional combination of low adhesive application, strong grammage and high pull resistance value, the adhesive not only convinces in digital printing. The required application temperature is lower than for customary EVA adhesives and even at multiple heating, there are no crackings and changes in quality.

# Facts that speak for themselves

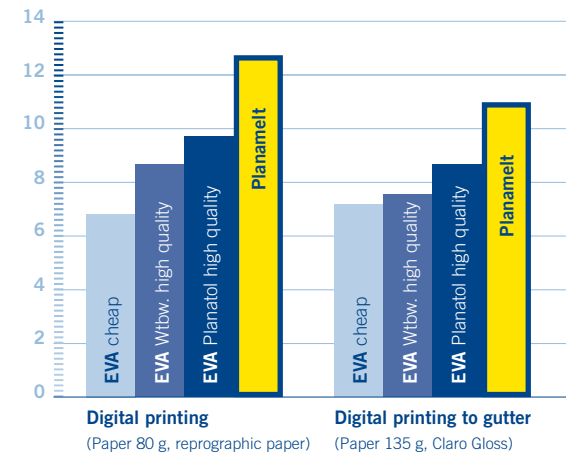
Industrial tests at machine manufacturers and a study by the University of Applied Sciences Munich confirm the advantages of the Planamelt technology.

In testing methods with different grammages, Planamelt achieves higher pull resistance values throughout in comparison to the tested EVA technology. At a grammage of 200 g/m<sup>2</sup> the stability of the adhesive binding approaches to the quality of a PUR adhesive.



Source: Industrial test at different OEMs

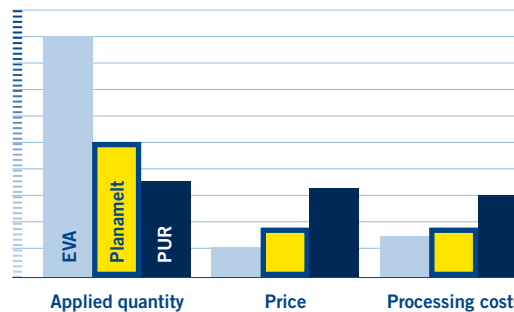
### Planamelt in digital printing



Source: Study by University of Applied Sciences Munich

Adhesive bindings with Planamelt require less applied quantity than an average EVA. At the same time the average values of price and processing costs are significantly lower than of a typical PUR technology.

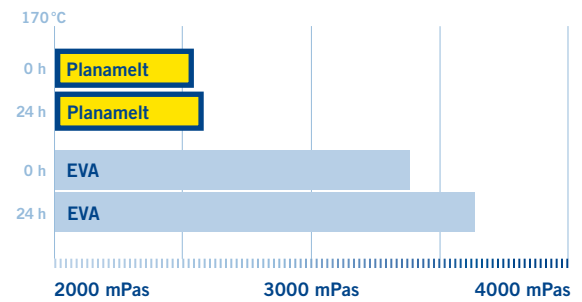
### Comparison of hotmelt spine glue technologies



Source: Internal trials

### Thermal stability

Adhesive with constant viscosity – Even under high thermal load, generated e.g. by multiple heating, Planamelt keeps its promise - and its adhesive properties.



Source: Internal trials

# We gladly advise you

## Advantages

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- Excellent running characteristics on hotmelt equipment
  - Very good layflat characteristics
  - Constant viscosity
  - Better working conditions due to less odour
  - Outstanding stability of adhesive bindings
  - Unlabeled
  - Advanced resistance to oil
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## Technical Data

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### Viscosity

ca. 2000 mPas (Haake RS 1, ISO 3219, 170°C)  
ca. 3500 mPas (Haake RS 1, ISO 3219, 150°C)  
ca. 7000 mPas (Haake RS 1, ISO 3219, 130°C)

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### Open time

middle to long

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### Setting time

middle

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### Colour

pale yellowish-translucent

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### Delivery form

Granulate, 25 kg sacks

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Planatol Adhesive GmbH  
Fabrikstraße 30-32  
83101 Rohrdorf  
Germany  
Tel.: +49 8031 720-0  
Fax: +49 8031 720-130  
info@planatol-adhesive.de  
www.planatol-adhesive.de

**PLANATOL®**