

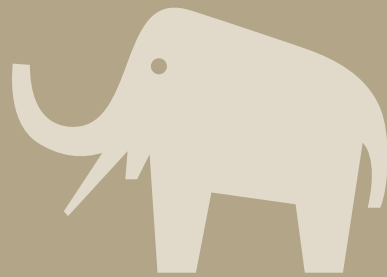
PLANATOL®

**Your partner for
industrial adhesives –
reliable and
future-oriented**

smart gluing

www.planatol.de

• KLEBSTOFFE •



SEIT

1932

PLANATOL®

HÖCHSTE QUALITÄT

Adhesives – a key technology for the future



Adhesives have become indispensable in our lives. In books, textiles, packaging, furniture – adhesives pervade all areas of life and enable countless innovations. Pioneering adhesive technologies also make production processes safer and more efficient.

The adhesives and application systems from Planatol are used, for example, in book-binding, the paper and packaging industry as well as the wood processing industry. We also provide special, tailored solutions for many other branches of industry, including the tape industry and automotive / aviation industry, and help develop new production processes and provide even greater added value for customers all over the world.

Hotmelt or dispersion? Water-soluble, permanent adhesion or removable? Heat-resistant or frost-proof? Flame-retardant, sterilisation-proof or resistant to cleaning? The requirements of the products created using our adhesives are often very specific – in our laboratory, we formulate adhesives that are matched precisely to the respective product and manufacturing process of the customer.

Welcome to the world of high-quality adhesives, welcome to Planatol.

Always at your side

We are experts when it comes to efficient and clean adhesive solutions – competent and reliable.

We are committed to ensuring customer satisfaction not only in the short term, but also to providing specific advice and individual solutions. Planatol's product developments always take special and individual requirements into consideration and allow for specific applications.

Adhesives

In books, catalogues, cars, parquet floors, kitchens and insulation panels – our products are in use everywhere you look. As a leading supplier for the paper and wood processing industry, Planatol produces and sells a wide range of adhesive products.

We are the trusted partner of printers and bookbinders, packers, package and furniture manufacturers, providing the perfect adhesives for both small-scale, manual operations as well as large-scale, industrial production facilities.



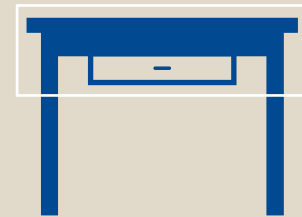
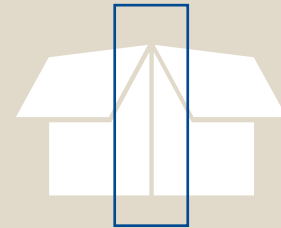
smart gluing

& application systems

In order to obtain optimum results, it is important that the adhesive and application technology are matched to each other. This is why Planatol also develops and produces application systems, such as those for fold-gluing in rotary printing. We also serve the paper industry, foil processing industry and packaging industry with modular application systems and components for cold-gluing applications. This means that our systems enable an individual configuration for production concepts. In our all-in-one solutions, the application system and adhesive are perfectly matched to each other in order to achieve optimum working results.



Our combined chemical and mechanical engineering know-how helps achieve synergy effects from which our customers benefit.





smart gluing – our company philosophy

Quality, competence and service – these are all based on firm corporate values.

Under the motto of “smart gluing”, we follow new innovative paths while staying true to our principles!

Customer focus

We not only offer reliable adhesives, but also application systems for individual customer requirements. Our specialists have well-founded expertise in the fields of chemistry and mechanical engineering and are able to tune our adhesives to both the product and the production process. Especially when dealing with difficult substrates, our know-how is decisive. Furthermore, as a medium-sized company, Planatol is extremely flexible and able to react very well to individual customer wishes.

Innovation

We consider ourselves to be a problem solver and driver of innovation. In order to be able to offer new and innovative technologies time and time again, we always remain curious, creative and on the lookout for new materials with which to develop new formulations. We grow with each new task assigned to us. And even in niche markets of adhesive technology, we continue to expand our expertise.





Experience

Planatol is represented with its expertise in more than 100 countries around the globe. Our long-serving employees ensure knowledge transfer within the company, both at home and abroad. Our active presence in international markets is driven by our subsidiaries in France and Italy as well as our local agencies, partners and international customer service team.

Customer loyalty

We are proud to make such a significant contribution to the success of our customers. It is not only our products that are decisive in this regard. Both internally and externally, we maintain an open, respectful and trustful corporate structure. Through reliability and active exchange, we grow together with our customers and partners. And we can offer the best possible service thanks to our highly motivated staff.

Sustainability

We are committed to manufacturing environmentally safe adhesives that do not damage the environment through their manufacture, use and disposal and to conserving as many resources as possible. Continuous quality checks and the use of state-of-the-art production technology serve to support us in this sustainable approach.

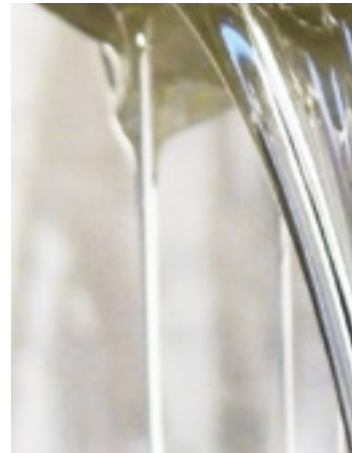
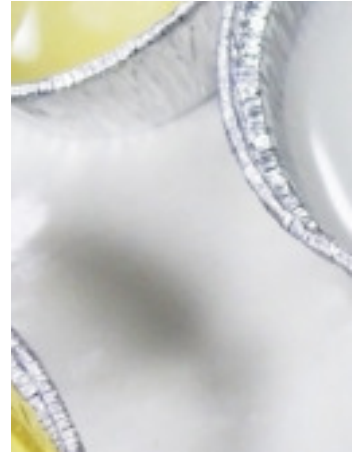


Intelligent connections

- ✓ PVAC | EVA | PU & Acrylic Dispersions
- ✓ EVA | PSA | PO Hotmelts
- ✓ Reactive PUR Hotmelts
- ✓ Dextrin, Starch and Latex Adhesives
- ✓ Special-purpose Adhesives

Adhesives for self-adhesive coatings

Our industrial adhesives for self-adhesive coatings are used in a variety of applications, for example in the adhesive tape, foam material, protective foil and label industry. We also offer additives for PSA adhesives, such as crosslinking agents, resin dispersions, solid resins, separating agents, etc.





Proven standards

Planatol offers a wide range of adhesives with proven formulations for the following sectors:

- Graphics industry
- Packaging industry
- Wood and furniture industry
- Technical textiles
- Construction industry
- Special applications

From cans to containers, the reliability and consistent quality of our adhesives are ensured no matter what size the container.

Inseparable: quality and trust

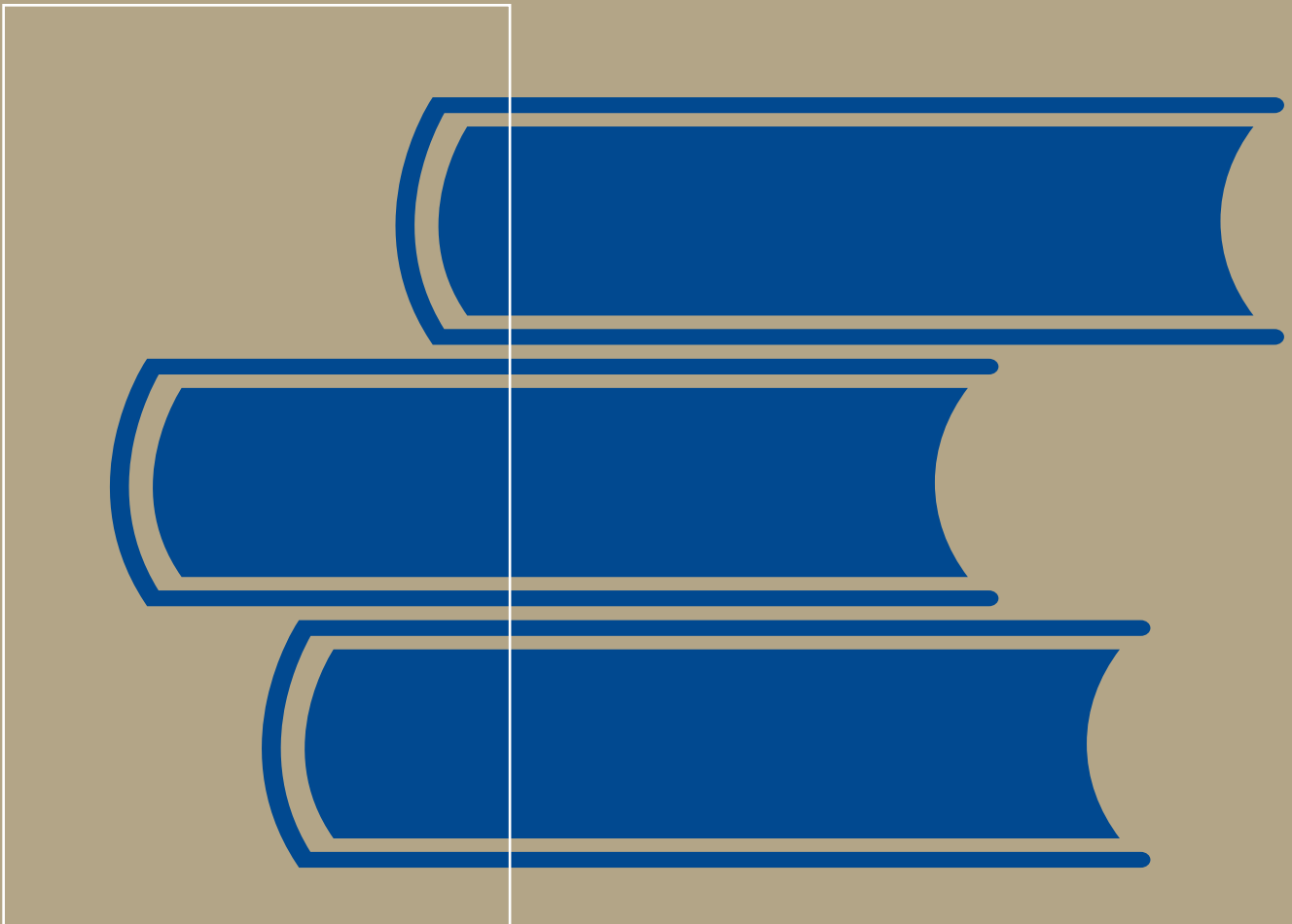
In joining technologies, quality represents a crucial factor for success. Whether it is books, glue panels, packaging or construction, everywhere you look you will find products that have been produced using Planatol's high-quality adhesives. It is not without reason that renowned companies all over the world trust our brand. All adhesives are comprehensively tested: the processability and gluing result are tested in our modern laboratory. The consistently high quality of our adhesives is based on quality management in accordance with DIN ISO 9001.



Adhesive solutions for the graphics industry

We have been developing adhesives for the graphics industry for over 85 years. We have comprehensive expertise especially when it comes to the bonding of refined papers and finished surfaces. Our adhesive solutions are geared to efficient and reliable further processing. As well as bookbinding, we also serve the areas of fold-gluing and print finishing – on request we can also provide customised systems and special solutions.

- ✓ Dispersions
- ✓ Hotmelts
- ✓ Reactive PUR Hotmelts
- ✓ PSA
- ✓ Folding Aids | Softening | Cleaning Agents



Planatol adhesives
to suit all graphics
applications



Fold-gluing

- Range of cost-effective standard products and special solutions
- Can be used for a wide range of papers and surfaces
- Improved running characteristics (folding aid)
- Production reliability for our customers
- Adapted to Planatol application systems

Bookbinding

- Suitable for all technologies and applications
- High temperature stability
- Outstanding lay-flat behaviour
- Award-winning adhesive systems

Print finishing

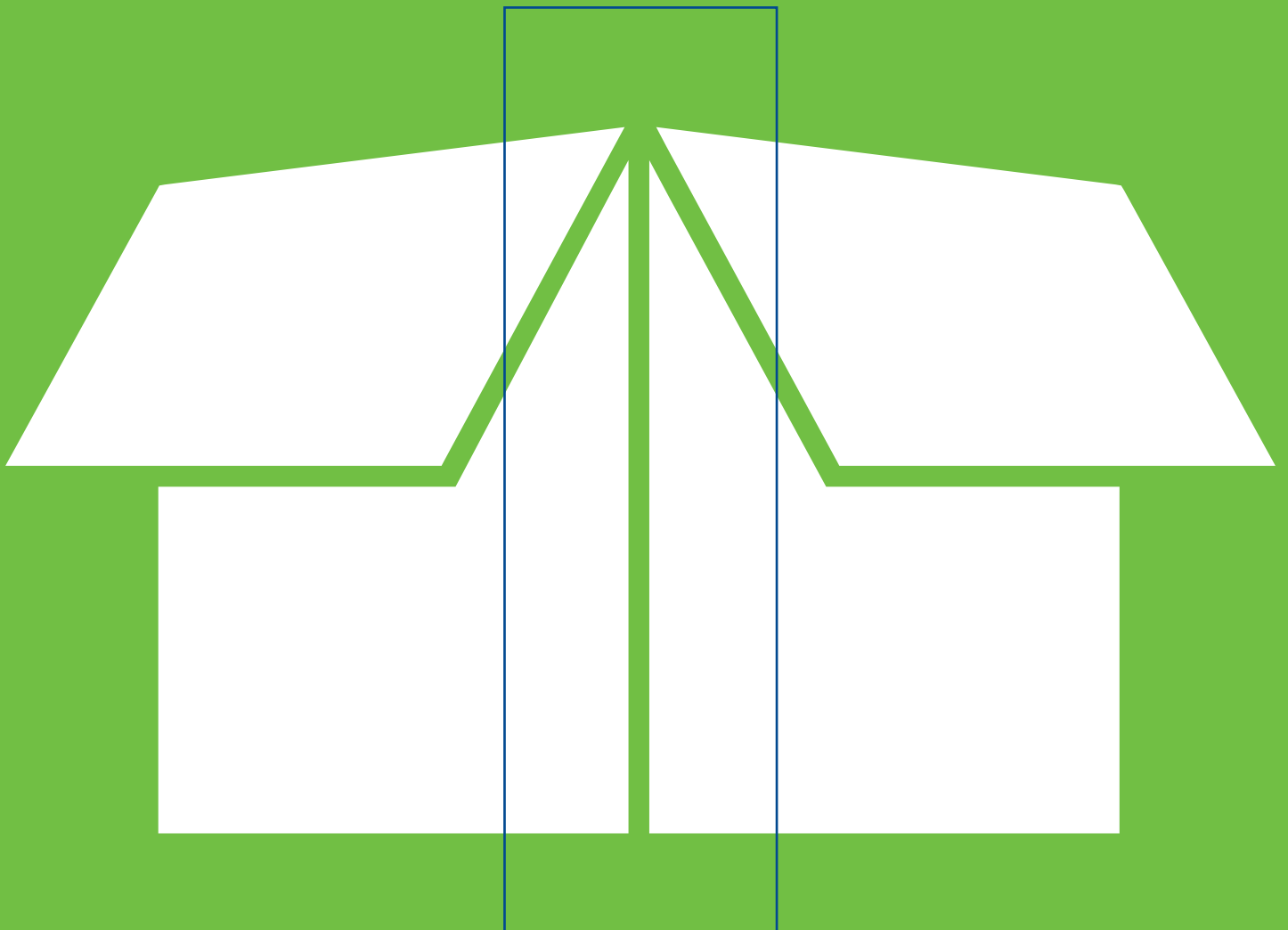
- Fugitive adhesives (dispersion & hotmelt)
- Foil and gloss foil adhesives
- Sealing foils (dispersion & hotmelt)
- Customised solutions for forms, notepad production etc.



The all-in-one solution for the packaging industry

The intensive development work carried in this field allows us to continuously introduce new solutions for traditional and innovative packaging products to the market. In addition to our powerful adhesives for end-of-line, paper sack manufacture, folding boxes and corrugated cardboard, we also develop special solutions for individual applications in the packaging industry.

- ✓ Dispersions
- ✓ EVA Hotmelts
- ✓ Metallocene Hotmelts
- ✓ PSA



Reliable bonding and packing



Folding box & corrugated cardboard

- Construction precision, usable as single or multi-point scheme
- High precision and low spray, even with high-speed machines
- Excellent nozzle flow properties

End-of-line solutions

- Processing of difficult substrates and high production speeds
- Powerful and effective in usage
- Special temperature requirements
- Cost-efficient standard solutions



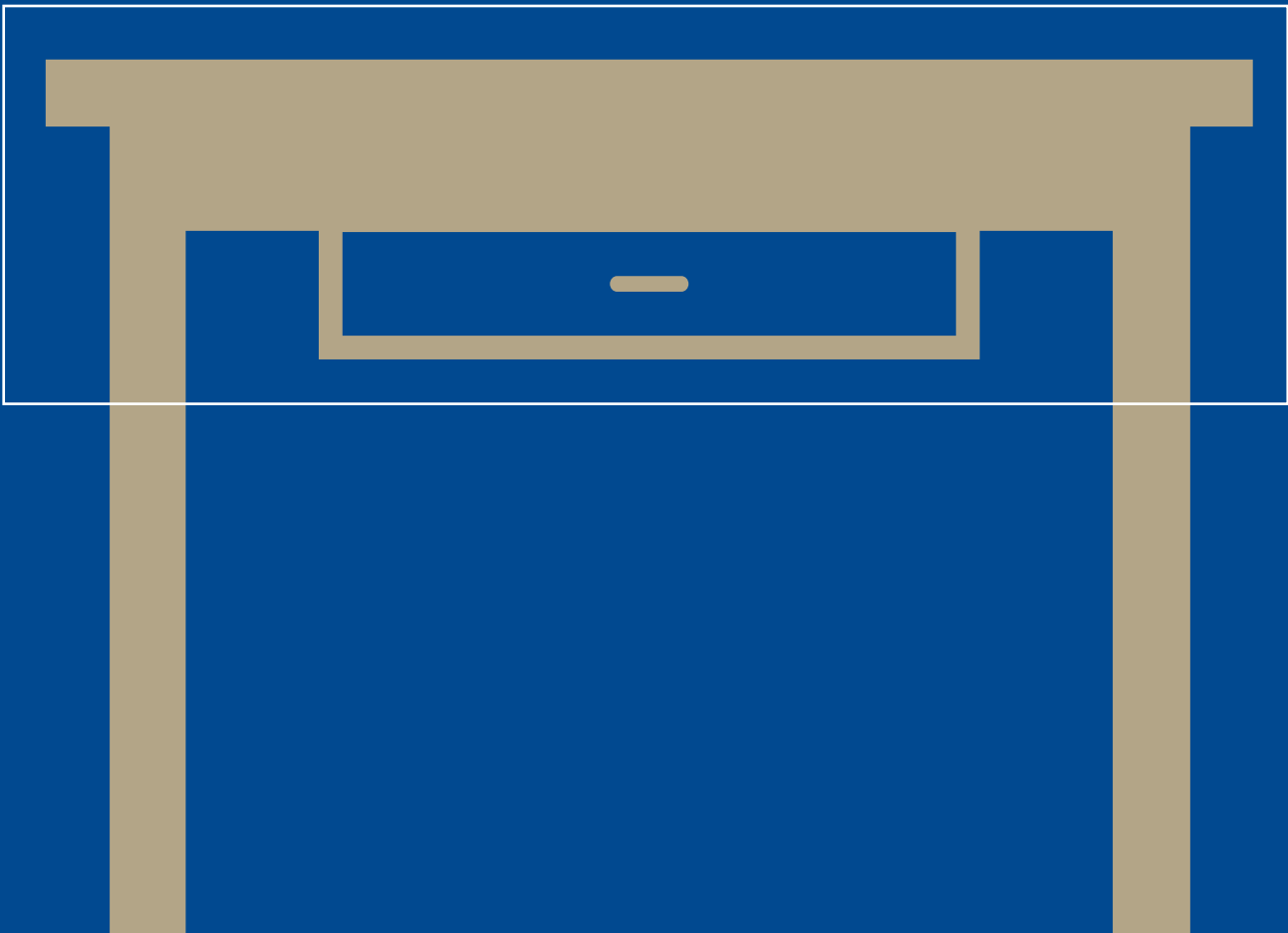
Paper sack production

- For paper sacks, valve sacks, tube sacks, cross-floor sacks
- Wide number of viscosity ranges
- Heavy-duty bonding
- Paper and foils

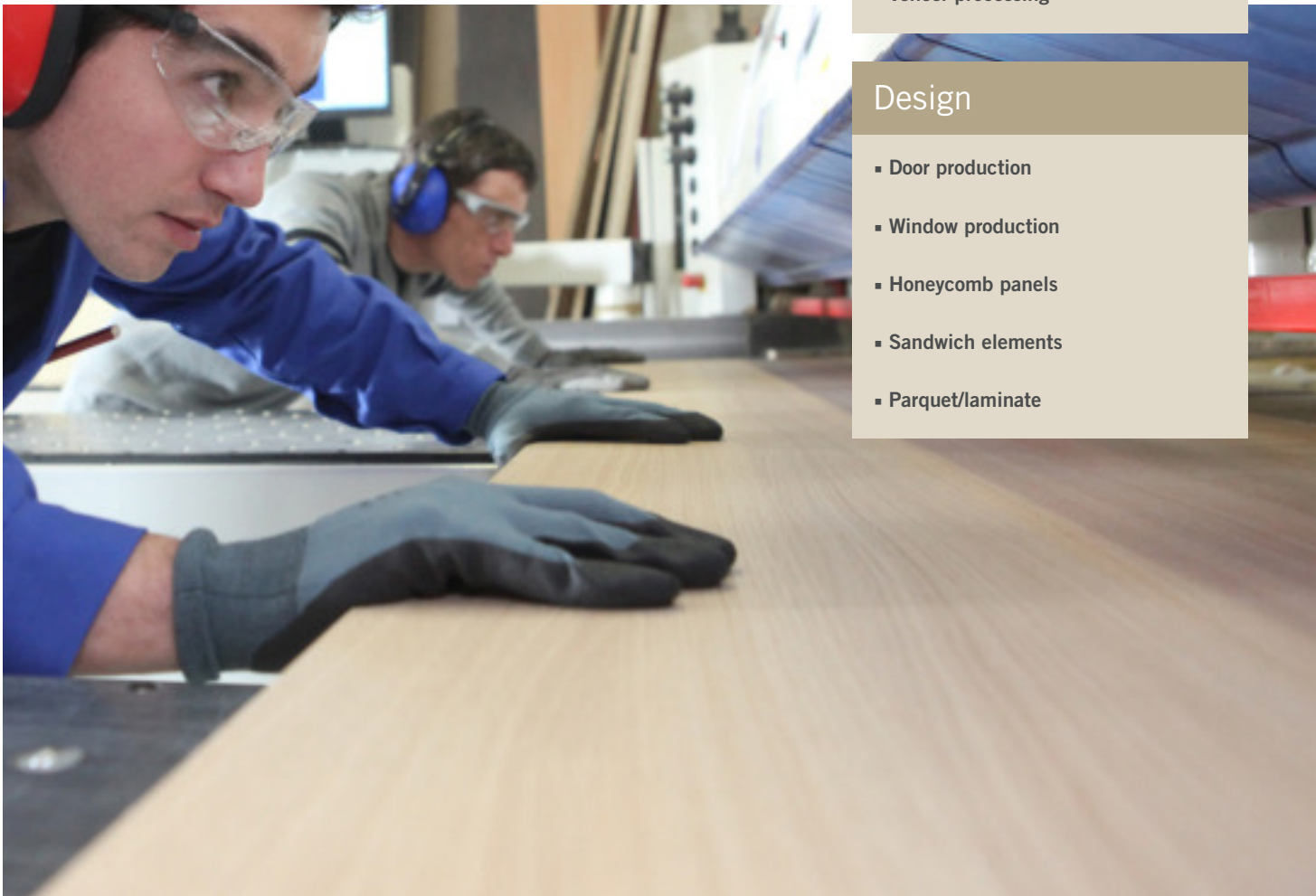
Custom-made bonding solutions for the wood and furniture industry

We specialise in flexible and reliable adhesive bonds. Whether it's the bonding of furniture and kitchens, wooden composites or structures such as doors and windows: we focus on individual and professional consulting and develop innovative and custom-made solutions for your needs. As a system partner of BASF, we also offer Kaurit® and Kauramin® glues and hardener systems.

- ✓ Dispersions (PU, D3/D4)
- ✓ EVA, PSA, and PO hotmelts
- ✓ Reactive PUR hotmelts
- ✓ Kaurit® and Kauramin® glues of BASF and hardeners
- ✓ PSA



Efficient processing of wood and wooden composites



Furniture & Kitchens

- Edge banding
- Edge finishing
- Flat lamination
- 3D Technology
- Profile wrapping

Wooden composites

- Plywood
- Laminated wood
- Wooden boards
- Finger jointing
- Veneer processing

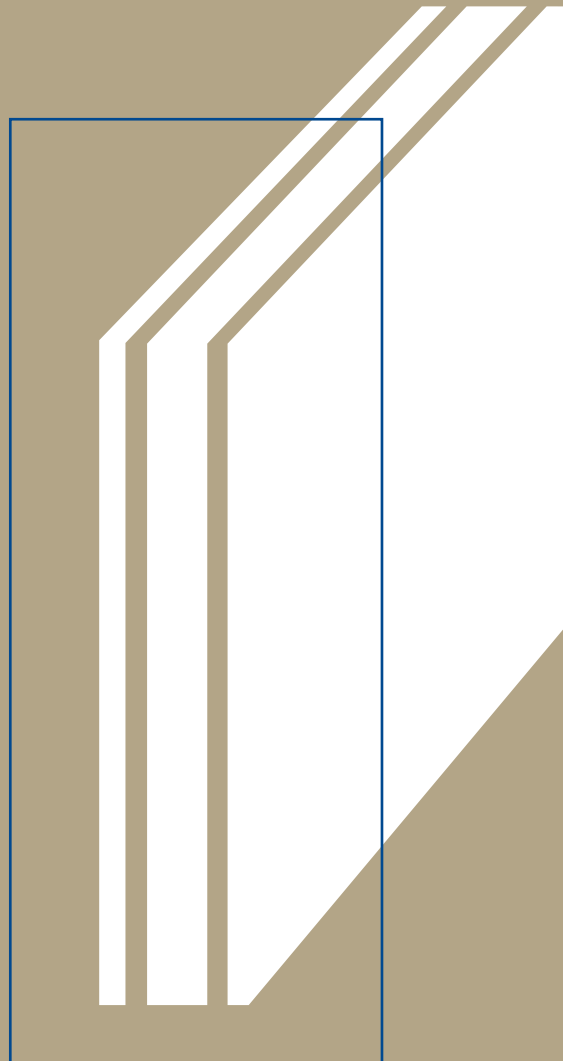
Design

- Door production
- Window production
- Honeycomb panels
- Sandwich elements
- Parquet/laminate

Special-purpose adhesives for the sandwich construction industry

Glued components are found more and more frequently in and on construction objects. From the insulation under the base plate to the roof sealing, today's adhesive systems are processed so that they not only provide the adhesive connection but also perform functional tasks. A thermoplastic hotmelt can have a positive influence on the diffusion of water vapour and oxygen. Furthermore, the adhesive can also make a positive contribution to the important aspect of flame protection. Sandwich elements which have been bonded using innovative adhesive solutions can also be found in automotive or ship construction, for example.

- ✓ Dispersions
- ✓ Reactive PUR
- ✓ PO hotmelt (thermoplastic)



Lasting
functionality



Construction industry

- Insulation materials, e.g. for roof linings or base plates
- Interior fittings, e.g. panels, furniture, doors, partitions
- Flame protection
- Standards pursuant to FIW (research institute for thermal insulation) are met

Lightweight construction

- Caravan, shipbuilding, aviation, automotive
- For use in state-of-the-art production processes
- Process reliability



Functionalised and custom-made adhesive solutions

Modern and intelligent textiles have to comply with important parameters. From providing the necessary flame retardancy to a high degree of breathability and sterilisation resistance, to heat and cleaning resistance in the washing machine, the possibilities are very diverse. These requirements for the adhesives can be met by using moisture-curing polyurethane hotmelts for lamination of the individual textile webs.

- ✓ PO hotmelts
- ✓ Reactive PUR hotmelts
- ✓ PSA



Intelligent bonding of textile structures



Construction & home

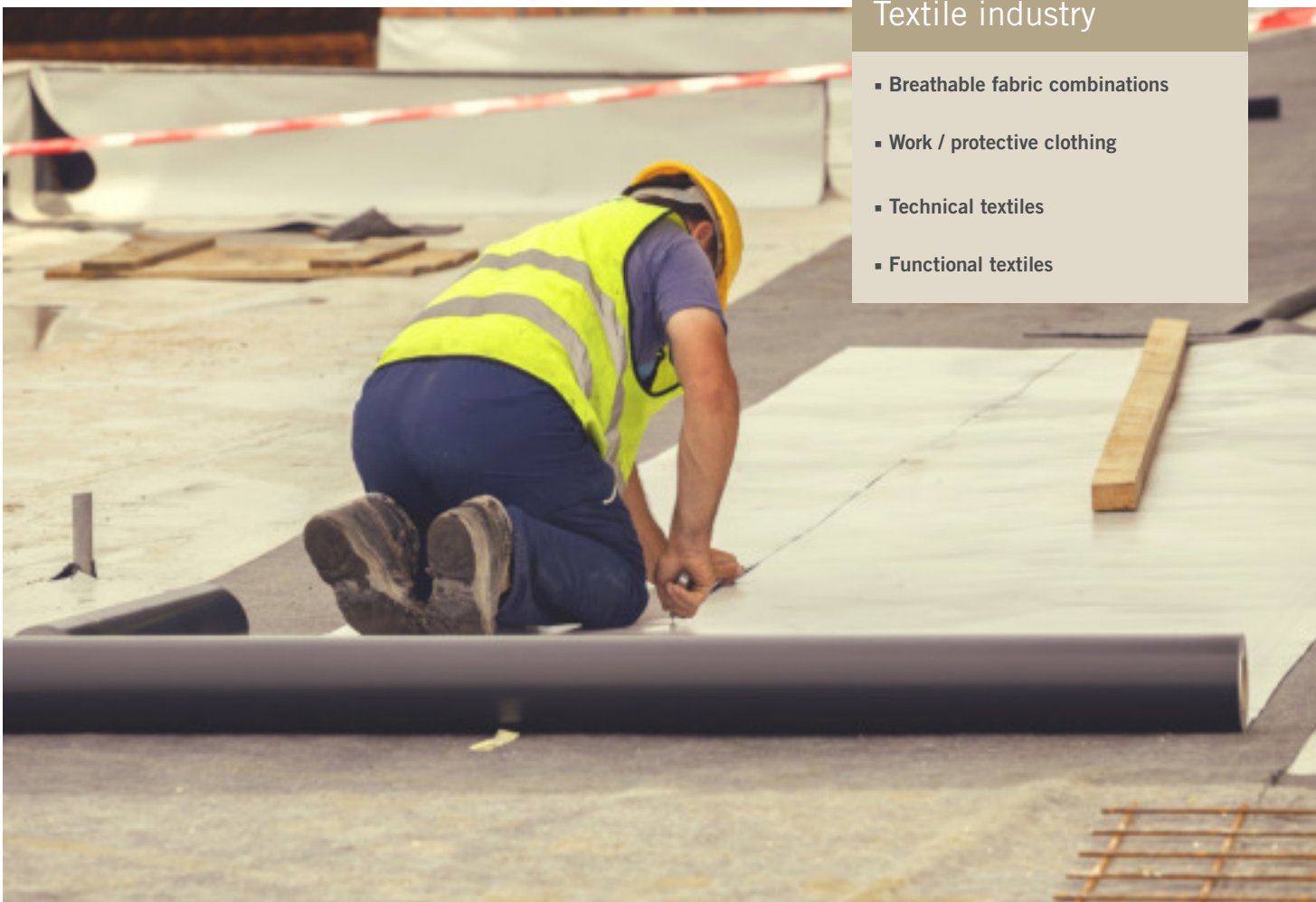
- Roof linings
- Vapour barriers
- Decorative fabrics
- Mattresses

Automotive

- Combinations of light yet robust materials
- Decorative fabrics
- Door trims
- Seat backrests

Textile industry

- Breathable fabric combinations
- Work / protective clothing
- Technical textiles
- Functional textiles





Innovation in a changing world

Since 1932, the name Planatol has stood for high-quality adhesive technology.

Investment in research and development, in modern equipment and in the qualification of our staff have continually allowed us to grow in a responsible manner together with our customers and to create products which already incorporate the requirements of the future.

Planatol reacts flexibly to changing markets as well as changes in technologies and society. Together with our customers, we always think one step ahead and retain our sense of curiosity: What new materials are available? What will the adhesive applications of the future look like? The intensive dialogue with our customers provides valuable insights which enable us to develop appropriate and effective adhesive solutions.



A passion for becoming better every day

“smart gluing” – what is Planatol’s approach?

When developing our adhesives, the focus of our work is on the processing of the adhesives, the materials to be joined and the environmental variables as well as the future application of the end product.

As well as joining the materials, our adhesive can also perform additional functions: sealing off gaseous or liquid substances, providing

insulation or even the damping of vibrations and protection against corrosion. When used properly, virtually all materials can be joined together permanently and even be given functional properties. That’s what we call smart gluing.

Our employees are committed to becoming better every day and bring the world of “smart gluing” to life. Always keeping the main aim in sight: contributing to the long-term success of our customers.





- 1932** Willy Hesselmann founds Planatol and manufactures synthetic resin-based cold glues.
- 1935** The Wetzel company is founded as a sales partner of BASF for Kaurit glues.
- 1951** Presentation of a binding machine for threadless bookbinding at the 1st drupa.
- 1963** First longitudinal gluing equipment for fold-gluing in rotary printing presses.
- 1983** Installation of the first cross-web gluing equipment in a rotary printing press.
- 1999** Takeover of Biolink as specialist for solvent-free adhesive tapes based on UV crosslinked acrylic adhesives.
- 2002** The group is expanded with the founding of coating specialist Planatol Coating.
- 2004** Planatol starts manufacturing coated pressure-sensitive adhesives on dispersion and solvent basis.
- 2005** The group invests in a state-of-the-art multifunctional agitator at the Rohrdorf site and starts production of reactive PUR hotmelts.
- 2008** Introduction of the new applicator systems COMBIJET 9NET and 9DT.
- 2011** Investment in a new laboratory with modern analysis and measurement technology.
- 2012** Planatol takes over Wetzel in Herford and expands the product range to include special adhesives for the packaging and wood processing industry while extending its expertise in the hotmelt area. The Italian sales partner Sifag is taken over. A new, process-controlled dispersion plant is commissioned at the Rohrdorf site.
- 2014** Planatol develops the worldwide new adhesive technology Planamelt for the graphics industry.
- 2016** Planatol receives the Print & Media Award for the development of its Planamelt technology.
- 2017** Planatol demonstrates its longevity as an adhesive manufacture by celebrating its 85th anniversary.

We'll be happy to help

Planatol is your expert for everything revolving around industrial adhesives and a dedicated service provider. We offer proven solutions as well as customised special applications and make gluing and application processes quicker, more practical and comfortable.

Thanks to our collaboration with associations, universities and research institutes, we are able to optimally combine technological, economical and ecological aspects. Why not join us in a technology partnership, we'll be happy to have you on board!

We are your reliable partner from the very beginning, from conception to production and on-site consulting, to the concrete application and subsequent follow-up support.

Our strengths lie in our commitment, speed and flexibility – one phone call is enough, and one of our sales representatives will be happy to support you at place.

We look forward to hearing from you.



**You can contact us by phone
or in writing.**

p +49 (0) 8031 720-0

f +49 (0) 8031 720-180

e info@planatol.de

Or visit our website at
planatol.de

Planatol GmbH

Management:
Johann Mühlhauser

Fabrikstr. 30 - 32
D-83101 Rohrdorf

p +49 (0) 8031.720-0
f +49 (0) 8031.720-180
e info@planatol.de
w planatol.de

Herford production:

Hohe Warth 15 - 21
D-32052 Herford

p +49 (0) 5221.7701-0
f +49 (0) 5221.71 546

Sales offices:

Planatol France S.A.R.L.
Parc d'Activités des Petits Carreaux 3,
Avenue des Marronniers
F-94386 Bonneuil sur Marne Cedex

p +33 (0) 1.45 139 671
f +33 (0) 1.43 994 949
e info@planatol.fr

Planatol-Sifag S.r.l.
Via Fano, 1
I-20161 Milano

p +39 (0) 02.6460704
f +39 (0) 02.6460795
e info@planatol.it

