

PACKED WITH EXPERTISE

ACTEbond® LAMINATING ADHESIVES FOR COLD FORM BLISTERS AND PEEL OFF- MEMBRANES



ACTEbond® LAMINATING ADHESIVES FOR COLD FORM BLISTERS AND TAMPER-EVIDENT PEEL OFF-MEMBRANES

Laminates for tamper-evident, peelable membranes and cold form blisters offer an almost complete barrier against water, light and oxygen through the use of aluminum and enable an extended expiry date of the product as well as increased tamper evidence, which is particularly important for the packaging of pharmaceutical products.

With our product solution consisting of laminating adhesive and matching hardener, both duplex-laminates for peel-able membranes and triplex-laminates for cold form blisters can be produced.

Cold Form Blister:

Pharmaceutical products
Non Food packaging
(e.g. batteries)

Cold Form Blister

■ oPA	25 µm
■ Adhesive	4-5 µm
■ Aluminium	45 µm
■ Adhesive	4-5 µm
■ PVC	60 µm

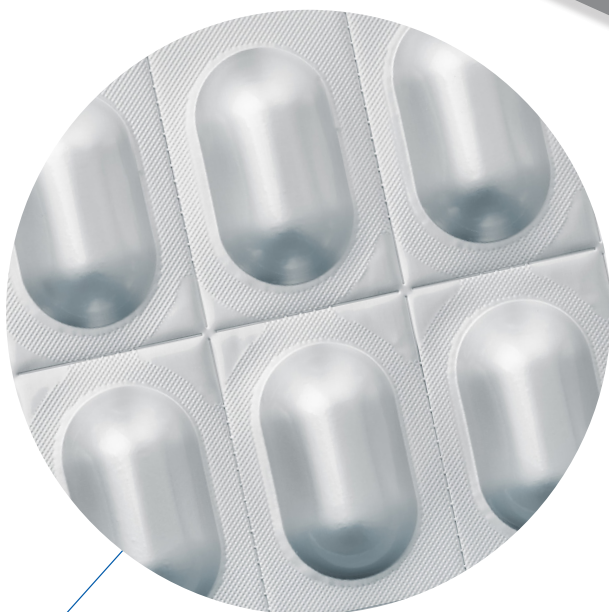
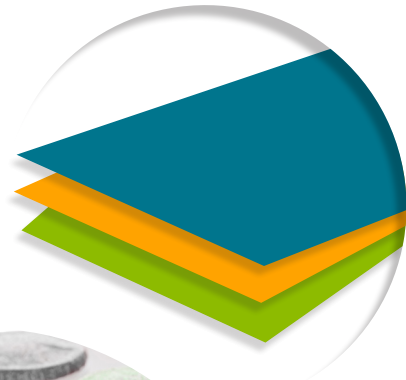


Peel Off-Membrane:

Food (Dairy-)Beverages
Non Food (e.g. z.B. motor oil)

Tamper-evident peel off-membrane

■ Aluminium	48 µm
■ Adhesive	4-5 µm
■ HDPE	50 µm



OUR RECOMMENDATION FOR TAMPER-EVIDENT PEEL OFF-MEMBRANES AND COLD FORM BLISTERS

ACTEbond® ASB-203 in combination with hardener HT-038-S-LV

- Solvent-based
- For laminates with aluminum foils
- Aliphatic hardener (base HDI)
- ACTEbond ASB-203 + HT-038-S-LV can be applied with screen or smooth rollers
- Lower laminating temperature (such as 30°C) possible

TECHNICAL DATA

	ASB-203 (Adhesive)	HT-038-S-LV (Hardener)
Viscosity	3500 ± 1500 mPas	35 ± 5 s
Solids	49 ± 2%	83 ± 2%
Density	1,050 ± 0,050 g/ml	1,105 ± 0,050 g/ml
Solvent	Ethyl acetate	Ethyl acetate
Mixing ratio	100	6

Product advantages

- Can also be used for high cycle rates with short sealing times due to high sealing resistance
- Use of one product solution (adhesive and hardener) enables the production of two different applications
- No primer necessary
- Approved for food applications (details on food safety (worldwide) can be provided on request)
- Satisfies the highest demands of the pharmaceutical industry (suitable for any climate zone, also for tropical temperatures in combination with high humidity – Tropical Blister)
- Excellent substrate adhesion and flexibility
- Exceptional thermal and chemical resistance
- High Performance
- No delamination even at high sealing temperatures
- Annealing at elevated temperatures accelerates curing

ACTEGA – your competent partner

- Individual technical service (also on site at the plant)
- Many years of expertise and experience in the field of adhesives for packaging
- Product solution already widely used and established by customers

Food safety thanks to adhesives that are free of epoxysilanes and BPA

Reliably safeguarding consumer health is our top priority. When it comes to applications that involve (direct) contact with foods, we painstakingly investigate the safety of the relevant raw materials and use only materials that verifiably comply with food regulations (such as FDA and EU directives).

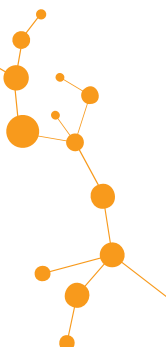
As part of a safety-conscious approach, ACTEGA has developed adhesives that are free from BPA and epoxysilanes (such as GLYMO and GLYEO) but also exhibit outstanding performance.

READ HERE,
WHY ACTEGA PROACTIVELY
CHANGED ITS ACTEBOND®
ADHESIVE RANGE AND DOES NOT
USE BISPHENOL A (BPA) AND
EPOXYSILANE IN ITS ADHESIVES.

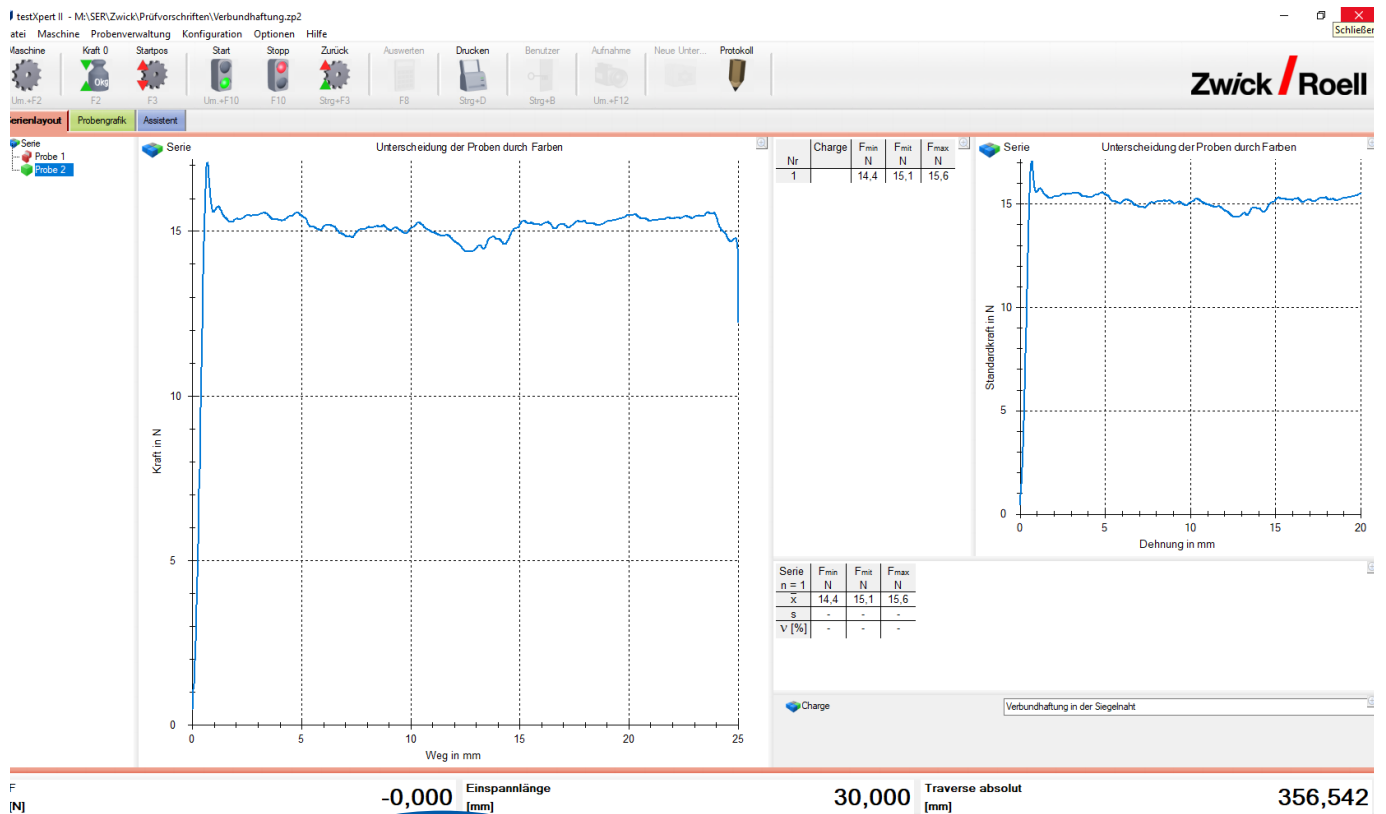


FORMULATION

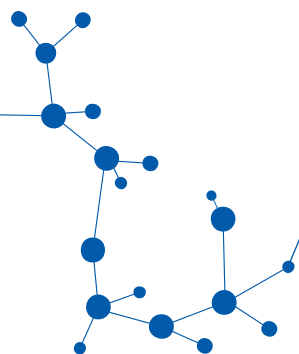
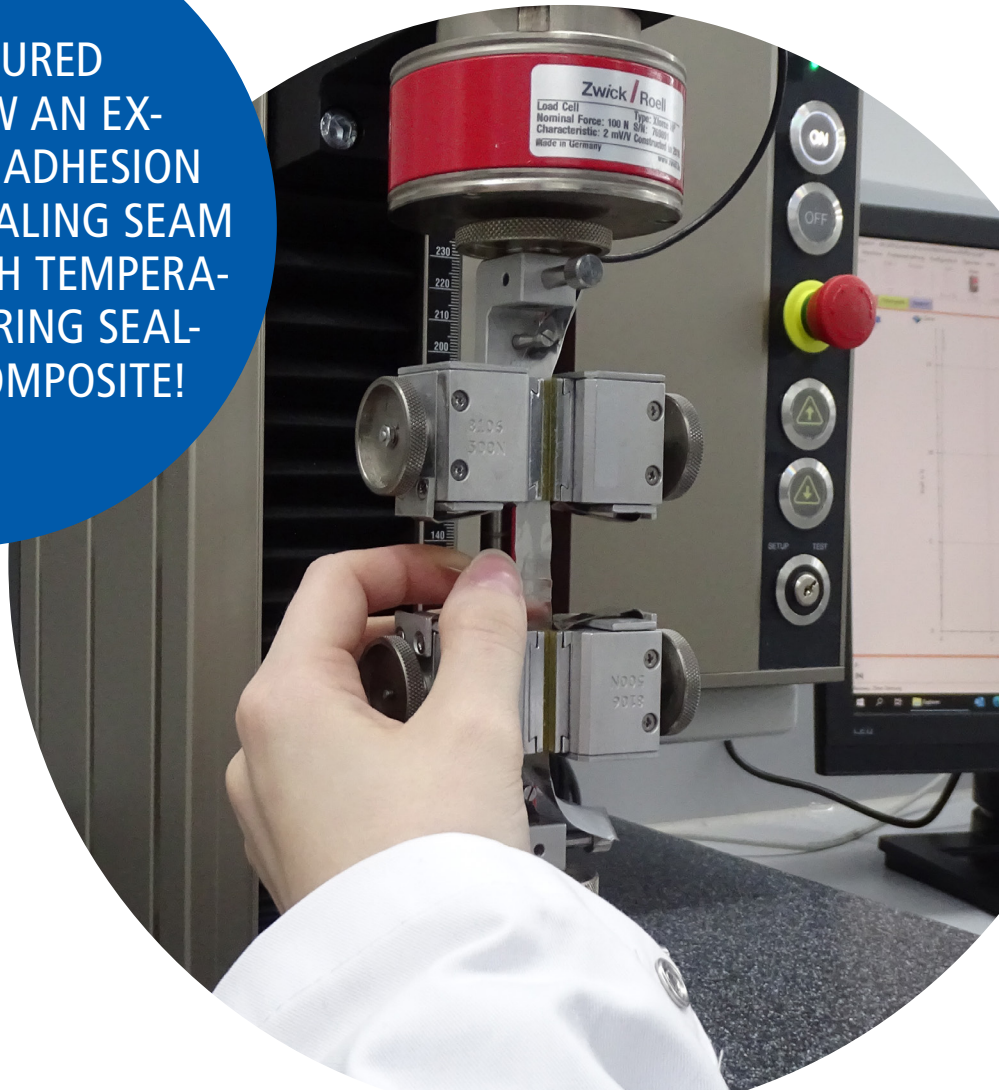
Solvent-based
2-component
polyurethane adhesive
based on polyols in
combination with
aliphatic isocyanates.



MEASUREMENT OF THE BOND STRENGTH OF A TAMPER EVIDENT, PEELABLE LAMINATE IN THE SEALING SEAM



THE MEASURED VALUES SHOW AN EXCELLENT BOND ADHESION VALUE IN THE SEALING SEAM DESPITE THE HIGH TEMPERATURE LOAD DURING SEALING OF THE COMPOSITE!



OUR ADHESIVES ARE ALSO AVAILABLE IN A WIDE VARIETY OF COLORS.

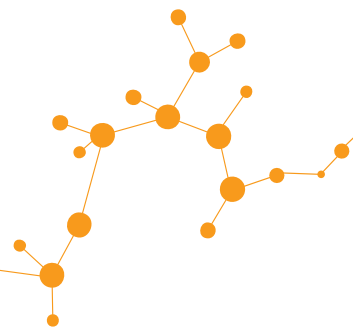
The pigmented adhesives from ACTEGA combine a decorative appearance with functional performance, while our color expertise offers additional, unique features for our ACTEbond® laminating adhesives range.

The colored versions enable you to replace full-area color printing. This saves on processing time and costs while also making it possible to create custom packaging designs by printing additional colors. Our pigmented adhesives are also impressive thanks to their excellent covering properties and their suitability for direct contact with foods (in line with FDA and EU directives).



„The possibility of using our ACTEbond® ASB-203 in a wide variety of colors makes this product an individual high-performance adhesive for the highest demands.“

Holger Schmitz
Technical Service and
Sales Flexible Packaging



ACTEGA YOUR COMPETENT PARTNER FOR THE PACKAGING MARKET

Technical service and tailored advice

Selecting the perfect product from our wide-ranging portfolio of successful, tried-and-tested standard solutions

Joint development of a bespoke product solution

Considerable expertise in legal matters concerning food-stuffs

Extensive know-how when it comes to our customers' plants

Supporting new products at the customer plant
Laboratory analysis and trouble shooting on site

Production

Customer-specific order production

Small volumes also available

Research & development

Ultramodern laboratory equipment

High level of investment in R&D

Innovative, market-oriented product development

Quality control

Quality control using state-of-the-art testing equipment

Quality certificates for each individual batch

100 % traceability of raw materials, products, and deliveries

Integrated management system:

Quality management system

Environmental management system

Energy management system

Occupational health and safety management system

Your contact:

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