

EUKALIN

YOUR ADHESIVE **PARTNER**

Whatever the requirements are - we will safely bond it
and ensure a personal and longlasting partnership.



Made in Germany



MADE IN GERMANY

A partner you can rely on

EUKALIN Spezial-Klebstoff Fabrik GmbH is a medium-sized company with more than 120 years of experience in development, production and distribution of high-quality adhesives. Our customers from the paper and film processing industry appreciate in particular our quality and high flexibility. Our focus is the long-term development of our business and customer relations. With our team of sales managers and our technical department we are pleased to support you on site and advise you on the various application possibilities of our adhesives. Since the foundation of our family owned business, sustainability and environmental protection have been essential to our success.

**WE ARE CLOSE BY AND OUR
SUPPORT IS WORLDWIDE.**

www.eukalin.com



We are your adhesive partner

About us

Our family business was founded in 1904 in Aachen, Germany by **Gebrüder Wachler KG** and was renamed **EUKALIN** in 1988. Today EUKALIN is managed in the fourth-generation and distributes high-performance EUKALIN adhesives to customers in more than 127 countries worldwide.

As a reliable partner we speak your language and support you with efficient processes from consulting to product development. Whether it is a new adhesive formulation or a logistic solution we are committed to a long-term, **mutually beneficial relationship** that are tailored to meet your needs. You can rely on us!

1904

Founding of the company **Gebrüder Wachler KG**

1945

Reconstruction and focus on **adhesive production**

1992

Construction of a new production facility & relocation from Aachen to **Eschweiler**

2000

Doubling of production capacity

2008

Founding of **EUKALIN Corp.** in Memphis, Tennessee (USA)

2015

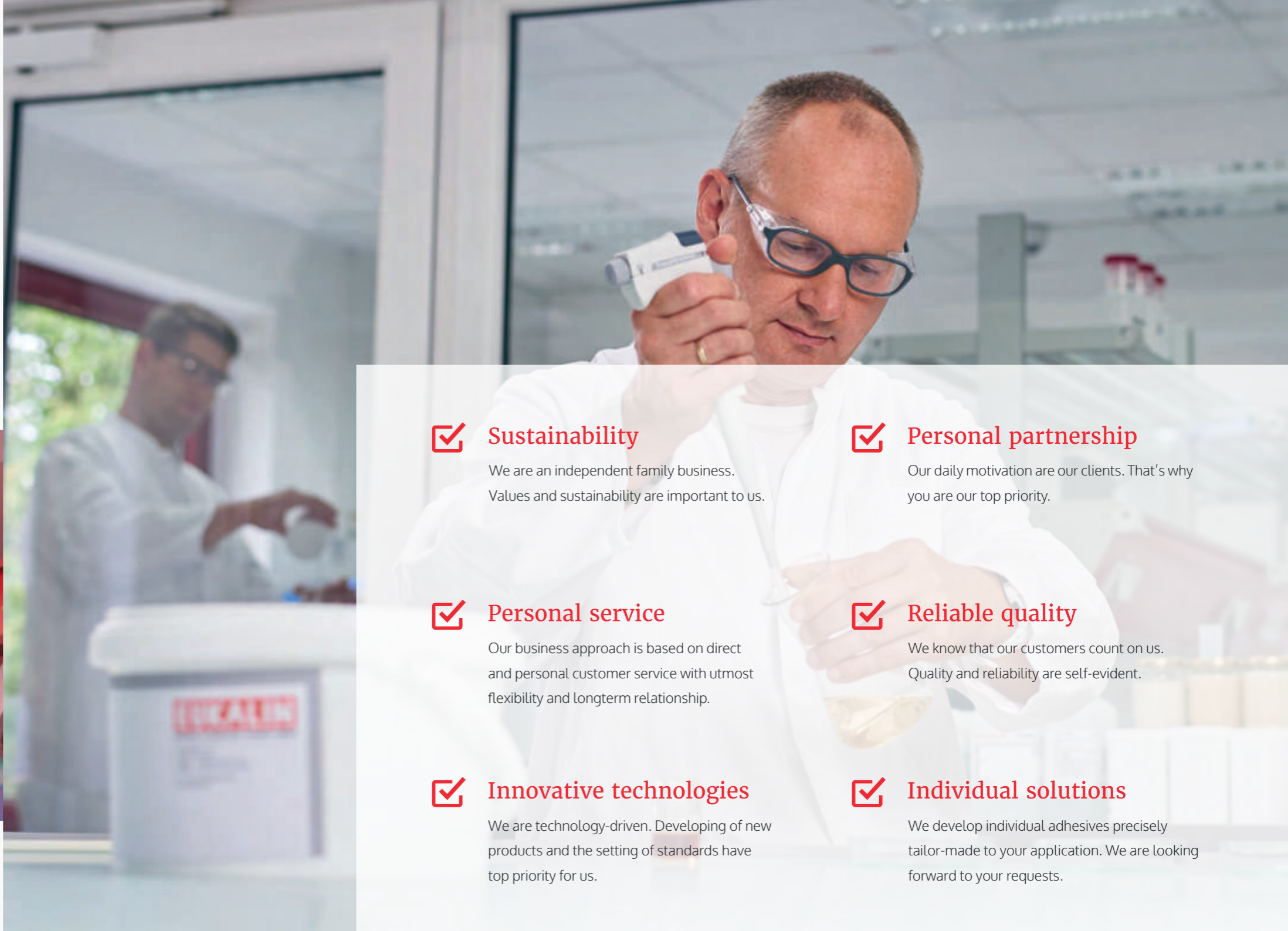
Expansion of the logistics and production area

2022

Acquisition of Adhesives Specialists based in Allentown, Pennsylvania as part of an asset deal (USA)

Excellent in all categories What makes us special?

Our most important connection is the connection to you. We think ahead and support you with our experts who personally advise and ensure high-quality products.



Sustainability

We are an independent family business. Values and sustainability are important to us.



Personal partnership

Our daily motivation are our clients. That's why you are our top priority.



Personal service

Our business approach is based on direct and personal customer service with utmost flexibility and longterm relationship.



Reliable quality

We know that our customers count on us. Quality and reliability are self-evident.



Innovative technologies

We are technology-driven. Developing of new products and the setting of standards have top priority for us.



Individual solutions

We develop individual adhesives precisely tailor-made to your application. We are looking forward to your requests.



For the protection of our environment.

Sustainability - Our promise for a green future

Environmental protection is not a trend!

Sustainability is not a trend for us, but a commitment. We are proud to do our part to protect our environment and leave an intact world for future generations. At EUKALIN, we are committed to developing high-quality and environmentally friendly special adhesives that are adapted to the needs of our customers using the latest technologies. At the same time, we are committed to sustainability and aim to act responsibly in all aspects of our business.



Innovation not just in our adhesives

Sustainability as an increasingly important guiding principle for our company.

At EUKALIN, we not only focus on modern special adhesives, but also on a sustainable future. Our concept of sustainability is not limited to resource-saving, environmentally friendly production processes and products. We are also constantly working on improving sustainability in all parts of our company. With the construction of our new photovoltaic system, we are reaffirming our commitment to renewable energy sources with the aim of reducing our ecological footprint. Our ISO 14001 certification also reaffirms our commitment to sustainability!

EUKALIN - Your environmentally friendly requirements - our sustainable solutions!

Adhesives

EUKALIN
SPECIAL-ADHESIVES

www.eukalin.com



Dispersion Adhesives



Decades of experience and continuous development



Balanced adhesion and cohesion



Optimized processing properties



Solvent-free

EUKALIN dispersion adhesives – standard adhesive or tailored to your needs

Also known as cold glue or white glue, these adhesives are used for various products. With our innovative R&D and many years of experience we do not only have a broad product portfolio of dispersions at our disposal, we also continue to develop them and, if required, tailor the adhesives to **your needs**. We work closely together with machine and application equipment manufacturers (OEM) to adapt the running behavior of our products to the **newest and most innovative conditions**. Your adhesive should set faster, have better layflat properties or be required in a special viscosity? Please get in touch with us!

Hotmelts



Solvent-free



Water and moisture resistant



100 % solid matter

EUKALIN hotmelts- from APAO to EVA and PE

Hotmelts are binding agents which are applied as a molten mass and obtain their adhesive strength through solidification or crystallization. These 100% solid thermoplastics bind only physically and are **highly resistant** to water and moisture. In addition to the melting properties, special attention is paid to the wetting properties of the melt and the curing properties of the amorphous or semi-crystalline formulations.

EUKALIN hotmelts are **solvent-free**, **consist of 100% of solid matter** and **offer outstanding processing properties**. Adapted to your line speed and depending on the respective application, EUKALIN adapts parameters such as the open or setting time especially for you.





Hotmelt Pressure Sensitive Adhesives

- ✓ Permanent tack
- ✓ 100 % solid matter
- ✓ Solvent-free (low TVOC)
- ✓ High adhesion
- ✓ Water and moisture resistant
- ✓ Time saving = cost reduction

EUKALIN hotmelt pressure sensitive adhesives – tailored for every application

Hotmelt pressure sensitive adhesives (HMPSA) differentiate from “standard” hotmelts by **their almost infinitely long open time** - they are **surface sticky**. PSA hotmelts are composed of thermoplastic polymer mixtures which are applied melted and form a bond, seal or permanent adhesive film during cooling - without additional thermal, chemical or photochemical activation. The 100% solids content eliminates the need for complex drying or extraction of solvents.

EUKALIN hotmelt pressure sensitive adhesives are known for their **high adhesive strength**. They **adhere to polar, non-polar or partly moist surfaces** and are **resistant to water and moisture**. In addition, EUKALIN HMPSAs have low TVOC (total volatile organic compounds), can be applied with low application weights and, depending on the application, they can be removed from the substrates without leaving residues due to their sufficiently high cohesion.



Our service

We are close by and our support is worldwide.

Since 1904 our adhesives and business partnerships distinguish themselves by a **very strong bond**. You will benefit from knowledge of our technical experts and from a smooth order processing. No matter whether our experts develop for you in the laboratory, deliver individual purchase quantities or support you on site - **you can rely on us** anytime and anywhere.

UV-C Hotmelts

- ✓ Good chemical resistance
- ✓ High transparency
- ✓ Free of migrating photoinitiators
- ✓ High water and moisture resistance
- ✓ High heat resistance
- ✓ 100 % solid matter

EUKALIN UV-C HMPSA – efficient and adaptable

UV-C-curable hotmelt pressure sensitive adhesives (UV-C HMPSA) are - according to their name - pressure-sensitive adhesives whose **internal strength (cohesion)** can be **significantly increased** by UV radiation (mercury lamp). These mainly acrylate-based formulations already replace solvent-based pressure-sensitive adhesives in many applications. In addition to the **advantages of a hotmelt adhesive system** in comparison to water-based or solvent-based adhesives, UV-C HMPSA give the **benefits of an acrylate-based adhesive** while subsequent UV-curing provides additional **thermal and chemical resistance** – without the use of an inert gas atmosphere.

UV-C HMPSAs from EUKALIN are **highly transparent, resistant to a variety of chemicals / plasticizers** and are also suitable for sensitive applications due to covalent-bonded photoinitiators. EUKALIN offers tailor-made UV-C HMPSA for applications such as clear-to-clear and wash-off labels, tapes and specialities.





PUR Hotmelts

✓ High resistance to water, moisture and chemicals

✓ Chemical curing

✓ High adhesion

High resistance to water, moisture and chemicals

Polyurethane-based (PUR) hotmelt adhesives are applied as a melt like other hotmelt adhesives. The setting and strength build-up takes place in two steps: First by cooling the melt purely physically and then followed by moisture-initiated chemical crosslinking of the individual prepolymers. Depending on the respective substrate surface, a covalent substrate-adhesive bond can additionally strengthen the adhesion. PUR-based hotmelts naturally have a **high resistance** to moisture, water and many chemicals. EUKALIN offers you a wide range of polyurethane-based (PUR) hotmelts tailored to your needs.

Coldseals

- ✓ Synthetic or based on natural latex
- ✓ Available for a wide range of film and paper applications
- ✓ Gravure printing
- ✓ Suitable for food packaging

EUKALIN coldseals – Printing is everything

Coldseals are often used for the production of flexible packaging in the food sector but are also used in a large number of other products. Applied in a printing process or via roller systems and then dried, for example, via high-frequency dryers (HF), a self-adhesive coating is created that only seals to itself by pressure. Seal strengths or special release properties can be specifically adapted and **optimized to your needs** if required.





Learn more about EUKALIN

Please get in touch with us. We
are looking forward to hearing
from you.

Your direct way to us

+49 (0) 2403 6450 - 0

A phone number for many adhesive solutions and
a partnership that lives up to its promises.



Heatseal Dispersions



Suited for your printing process



Environmentally friendly



Free of APEO, NMP and plasticizer



Tested and approved for direct contact with food



Low activation temperature

EUKALIN heatseal dispersions – individual and reliable

The number of water-based adhesives for flexible packaging systems is steadily increasing worldwide. Heatseal dispersions from EUKALIN do **not contain any solvents** or **phthalates**. They offer excellent processing properties and a **maximum of product safety**. EUKALIN heatseal dispersions can be applied by pump in circulation or feed on demand. They can be processed in gravure, flexo or offset printing as well as on laminating machines. The excellent moistening ensures an **optimum print result**, even with the smallest contact points.

EUKALIN heatseal dispersions are characterized by a high solid content. This enables drying temperatures of **less than 60°C** - ideal for shrink sleeve finishing.

Activation temperatures $\geq 75^{\circ}\text{C}$ provide reliable adhesion on many plastics, glass, metal and even wood. Furthermore most of our heatseal dispersions are **completely block-free** - even against themselves. Suitable substrates are PP, PET, PS and PVC. Also sealable paper can be produced.

Your Adhesive **Partner**

Water-based Adhesives



No hazardous material



Individually adaptable



Suitable for food-related applications

EUKALIN water-based adhesives - our main competence for more than 120 years

The most **environmental-friendly adhesive bonds** can probably be created with our water-based adhesives. The bonding is simply effected by evaporation and absorption of water by the substrate. Neither **solvents** nor **chemical curing agents** nor **toxic plasticizers** such as phthalates are necessary and the processing is **energy-saving** without heating, cooling or suction devices. In addition to the classic dispersion adhesives, types based on **renewable raw materials** such as casein or starch are also available.





Jelly Glues



Ecological and sustainable



Excellent processing properties



High initial tack



Pleasant odor

Jelly Glues – traditionally good

The production of folders or hardcover books is hard to imagine without jelly glues. Our portfolio also includes jelly glues for the production of rigid boxes such as high-quality jewellery or cutlery packaging. This includes a variety of surfaces as well as the restoring forces of the most diverse materials, so that a **failure-free production** is possible. We can **individually** tailor the color, solid content and open time **to your requirements**.

Applications

ALIN

EUKALIN

AL-KLE

EUKALIN



Envelopes

- ✓ High-performance adhesives available for blank sheet or reel (Web and die cut)
- ✓ Side and bottom flap adhesives for various requirements
- ✓ From satin liner to inserting envelopes
- ✓ Adhesives for all closing flap types
- ✓ Window gum for all window film types
- ✓ Seal gum based on resin or resin-dextrin blend

Packaging

- ✓ Softener free or low migration adhesives
- ✓ Clean and precise processing
- ✓ Reliable bonding of different materials
- ✓ Perfect machine running characteristics
- ✓ High wet tack and fast setting behavior
- ✓ Good cleaning properties



Print & Print finishing

- ✓ Broad product portfolio
- ✓ Tailored customer solutions
- ✓ Optimized for difficult surfaces
- ✓ Precise machine running
- ✓ Re-moistenable gumming
- ✓ High yield

Flexible packaging

- ✓ Suitable for film and paper applications
- ✓ Synthetic and latex-based coldseals
- ✓ Compatible with release varnish or release films
- ✓ Compatible with all ink systems
- ✓ Convertible on gravure, flexo, printing and lamination machines

Self-adhesive labels

- ✓ Environmental-friendly and sustainable
- ✓ Low odor due to high-quality raw materials
- ✓ Easy to use and cost efficient
- ✓ Good aging resistance
- ✓ Ideal for non-polar or rough surfaces
- ✓ Variable adhesion and cohesion profiles available tailored to the application

Paper sacks

- ✓ Recommended use on bottomer and tuber machines
- ✓ paper to paper bonding
- ✓ Paper to PE Film (treated/untreated)
- ✓ Application by means of digital pasting or analogue systems
- ✓ Bonding of dry strippable PE inner bags, without fiber tear
- ✓ Special Adhesives for use in food applications, designed to comply with food regulations



Tapes

- ✓ Easy to use and cost efficient
- ✓ Silicone paper free delivery forms
- ✓ Good aging resistance
- ✓ Ideal for non-polar or rough surfaces
- ✓ Excellent cold bonding properties
- ✓ Customized formulations

Speacial applications

- ✓ Developed for your application in cooperation with you
- ✓ Tested on your materials
- ✓ With the desired adhesive properties
- ✓ Tailored to your application process

Our Standards - Your Success. Certified quality

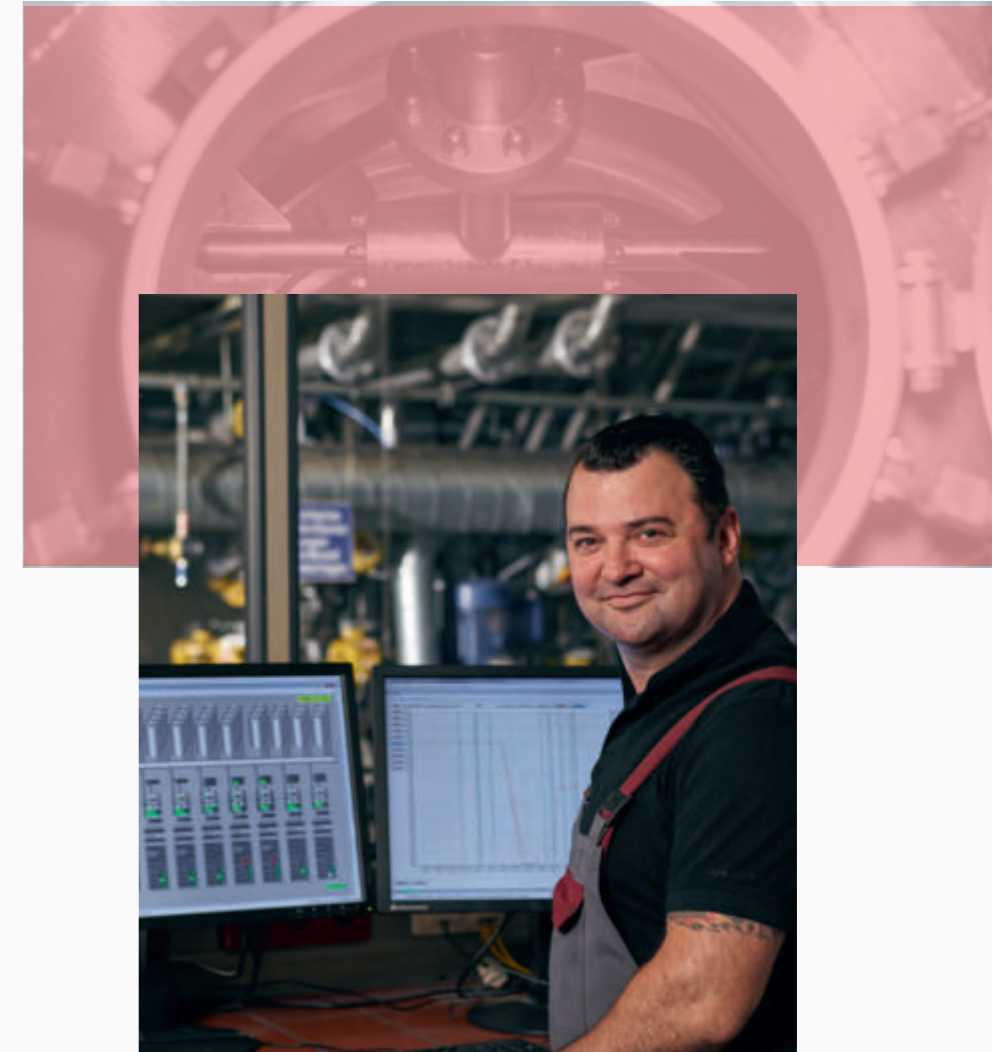
We ensure the highest standards. We comply with the standards DIN ISO 9001:2015 and 14001:2015, our AEO certificate (customs simplification), the manufacture of our adhesives according to GMP (Good Manufacturing Practice) and the IVK Hygiene Guide ensure that you benefit from consistently high quality.

www.eukalin.com

☑ ISO 9001:2015

☑ ISO 14001:2015

☑ AEO-Zertifikat



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Our most important
connection is the connection
with you.



Jan Schulz-Wachler and Timm Koepchen
Managing directors

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**Our family business
stands for quality made
in Germany that bonds
permanently.**



Jan Schulz-Wachler and Timm Koepchen
Managing directors

Our experts offer support worldwide.