

# KLEIBERIT Adhesive Systems for Automotive Manufacturing



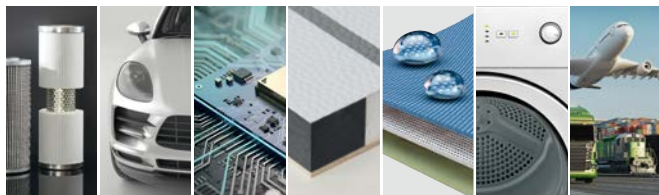
Permanent bonds for interior and exterior applications – efficient, reliable and highly durable.

# Adhesive Systems for Automotive Manufacturing



## **ADVANCED**materials

Filter-Automotive-Electronics-Sandwich-Textile-White Goods-Transportation



### Director BU Advanced Materials:

Hendrik A. Balcke  
+49 7244 62-3860  
hendrik.balcke@kleiberit.com

KLEIBERIT offers a wide range of adhesives for demanding lamination and assembly applications, enabling you to create premium designs and sophisticated material combinations for vehicle interiors.



<b>Content</b>	<b>Page</b>
<b>Company</b>	<b>4</b>
<b>Adhesive Groups</b>	<b>5</b>
<b>Cockpit</b>	<b>6-7</b>
<b>Applications</b>	<b>8-9</b>
<b>Trunk</b>	<b>10-11</b>
<b>Lamination</b>	<b>12-13</b>
<b>Exterior</b>	<b>14-15</b>
<b>KLEIBERIT Adhesives worldwide</b>	<b>16</b>

Nicolas Steimel +49 173 1604916  
Sales Manager Filtration BU Advanced Materials  
nicolas.steimel@kleiberit.com

Europe:  
Martin Haupt +49 1520 6235368  
Sales Engineer  
martin.haupt@kleiberit.com

Dr. Ralf Tahhan +49 173 6359041  
Key Account Manager  
ralf.tahhan@kleiberit.com

Türkiye/Middle East:  
Erkut Akcocuk +90 5321685759  
Sales Engineer  
erkut.akcocuk@kleiberit.com

Asia:  
Teoh Hock Chin +65 975 587 70  
Sales Engineer  
teoh.hockchin@kleiberit.com

North America:  
Justin van Dijk +1 704 843 3339  
Sales Manager  
justin.vandijk@kleiberit.com

South America:  
Emilio Abelenda +55 418 725 3434  
Sales Engineer  
emilio.abelenda@kleiberit.com

# Company



## Research, development and expertise

KLEIBERIT adhesive systems are successful worldwide. Our long-standing expertise in reactive PUR adhesives and their applications continues to impress customers across a wide range of industries. Reactive PUR hot melt adhesives "Made in Germany" hold a leading position in the global market and are used in the automotive, textile, filter, furniture and paper industries. KLEIBERIT has established itself as an international technology leader and trendsetter in this field.

For more than 25 years, we have been successfully producing adhesives for premium brands and renowned automotive suppliers and manufacturers. Our product portfolio is precisely tailored to our customers' needs and global availability is ensured through our intelligent logistics concept.

At our Technology Center in Weingarten (Germany), customers from around the world collaborate with KLEIBERIT's research, development and application engineering teams to create solutions for future requirements.

KLEIBERIT offers a wide range of adhesives for demanding lamination and assembly applications, enabling you to create premium designs and sophisticated material combinations for vehicle interiors.



## Adhesive Groups

### Reactive PUR-Hotmelts

KLEIBERIT reactive PUR hotmelt adhesives offer exceptional initial tack and enable extremely short pressing times. They are 100 % solid, solvent-free and provide outstanding bond strength under heat, cold, moisture and chemical exposure. Even at low temperatures, the bond remains permanently flexible. The performance of these systems is unmatched - their applications range from assembly bonding to flat lamination.

### 1C/2C PUR-Adhesives

Solvent-free, 100 % solid and featuring excellent adhesion to many common substrates: our PUR adhesive systems meet the highest standards of climate resistance and thermal stability, ensuring long-lasting bonds even under the most demanding conditions.

### PO-Hotmelts

PO hotmelt adhesives are characterized by strong adhesion to various plastics, combined with high temperature resistance and an attractive cost-performance ratio. Particularly noteworthy are their outstanding adhesion to polyolefins without pre-treatment and the elastic properties of the bond line.

### Dispersion Adhesives


Solvent-free, water-based dispersion adhesives are widely used in the automotive sector. These systems exhibit excellent adhesion to a variety of materials and high initial bond strength. Their uniform application behavior and controlled coating quantity provide advantages for 3D-shaped carrier parts and stress-sensitive areas.

### Pressure-Sensitive Hotmelt Adhesives

KLEIBERIT pressure-sensitive hotmelt adhesives ensure an elastic bond line with good moisture resistance and reliable adhesion to nearly all surfaces. Their permanent tack during processing allows for precise and efficient production processes.

### STP-Adhesives

- moisture curing
- extremely resistant elastomer
- outstanding resistance to heat, cold, water and UV light
- primerless bonding on metals, glass, ceramic and different plastics (e.g. GRP)



**STP-Adhesives**  
Prepared for  
the future!

# Cockpit



## Smart adhesive solutions for vehicle interiors

More and more high-quality materials and sophisticated design concepts are shaping the modern vehicle interior. At KLEIBERIT, you will find intelligent adhesive technologies - developed on the basis of decades of expertise.

Reactive PUR hotmelt adhesives are particularly impressive in cockpit applications due to their outstanding performance and versatility. They enable efficient production processes and ensure long-lasting, stable bonds - even under extreme conditions.

## Your benefits:

- Single-sided adhesive application for precise processing
- Short open time - ideal for PVC and TPO films
- Excellent resistance to temperature and climate changes

A typical application example is the assembly of control buttons: Here, excellent adhesion and fast curing ensure optimal handling.



Armrest



Glove Box



Dashboard



Control Buttons



Center Console



Center Armrest

Applications	Product	Product group
Glove Box	703.3 713.5 713.7.08 724.5	Reactive PUR-HM Reactive PUR-HM Reactive PUR-HM Polyolefin HM
Dashboard	457.6 457.8 703.3.33 713.5 713.7	Polyurethane Dispersion Polyurethane Dispersion Reactive PUR-HM Reactive PUR-HM Reactive PUR-HM
Control Buttons	703.5	Reactive PUR-HM
Center Console	457.8 706.0.09 713.0 713.5 724.1	Polyurethane Dispersion Reactive PUR-HM Reactive PUR-HM Reactive PUR-HM Polyolefin HM
Center Armrest	713.5 724.1	Reactive PUR-HM Polyolefin HM

# Applications



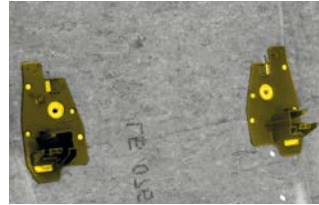
Many innovative design details in modern vehicle interiors are made possible only through the precise adhesive bonding of clips and retainers. Our specialized adhesive systems ensure top quality and maximum process reliability.

Whether for covers, laminations or brackets – thermoplastic (PO) and reactive (PUR) adhesives create strong, durable bonds that perfectly combine diverse designs and functions.

## Your benefits:

- Secure and long-lasting fixation of clips and retainers
- Optimized processing with modern adhesive robots
- Fast handling strength for efficient production workflows
- High precision even for complex design requirements

With KLEIBERIT, assembly bonding becomes a key technology for modern, aesthetic and cost-efficient interior solutions.



Clips / Retainers



Clips / Retainers



Seat Covers



Seat back-panels



Headliner



Reinforcer

Applications	Product	Product group
Clips / Retainers	703.3 703.5 750.0	Reactive PUR-HM Reactive PUR-HM Polyolefin HM
Seat back-panels	713.708	Reactive PUR-HM
Headliner	457.6 713.5 713.708	Polyurethane Dispersion Reactive PUR-HM Reactive PUR-HM
Reinforcer	703.5 706.0.09	Reactive PUR-HM Reactive PUR-HM

# Trunk



KLEIBERIT adhesive systems reliably and permanently bond textiles, molded foam parts and lightweight components. Their high elasticity ensures flexible joints that remain dimensionally stable even under temperature fluctuations.

Consistent wetting of the surfaces ensures clean application, resulting in a premium tactile finish and uniform quality throughout the entire production process.

Especially in sensitive vehicle areas, the highest standards of temperature and climate-change resistance are essential.

KLEIBERIT's reactive PUR-SK adhesive systems have been meeting these requirements with great success for decades - guaranteeing long-lasting, durable bonds even under the most demanding conditions.



Loadfloor



Parcel Shelf



Rear Seat Cover



Side Trim



Storage Compartment Trim

Applications	Product	Product group
Loadfloor	703.3.33 706.0.09 713.5 724.5	Reactive PUR-HM Reactive PUR-HM Reactive PUR-HM Polyolefin HM
Parcel Shelf	703.3 724.1	Reactive PUR-HM Polyolefin HM
Rear Seat Cover	457.6 713.5 724.5	Dispersion Reactive PUR-HM Polyolefin HM
Side Trim	457.6 713.5 724.5	Dispersion Reactive PUR-HM Polyolefin HM

# Lamination



## Adhesion with sensitivity – perfection for vehicle interiors

Modern vehicle interiors meet the highest standards of function and comfort. Every detail must fit together perfectly. That's why KLEIBERIT develops adhesive systems that ensure lasting lightness, noise reduction and a natural tactile experience.

Our product lines are precisely tailored to the complex demands of the automotive industry. They are characterized by short cycle times, precise application behavior, high initial tack and excellent processing properties.

Whether fine textiles, modern films, genuine leather, wood or metal trim - KLEIBERIT offers the right solution for every material and every process. From dispersion adhesives to 1C and 2C PU systems, PO hotmelts and reactive PUR hotmelt adhesives, we cover the full spectrum of modern bonding technology.

### Your benefits:

- Single-sided adhesive application for efficient processes
- High initial strength at activation temperature
- Thermoformable bonds for maximum design freedom
- Heat- and moisture-resistant connections



A-Pillar



Headliner



Door Panel



Door Insert



Top-Roll



Crashpads



Headrests



Mappockets

Applications	Product	Product group
A-Pillar	713.5 713.7.08	Reactive PUR-HM Reactive PUR-HM
Headliner	713.4.04 713.5	Reactive PUR-HM Reactive PUR-HM
Door Panel	457.6 457.8 713.5	Polyurethane Dispersion Polyurethane Dispersion Reactive PUR-HM
Top-Roll	713.7.08 724.2	Reactive PUR-HM Polyolefin HM
Crashpads	703.3 703.5	Reactive PUR-HM Reactive PUR-HM

# Exterior



## Headlight bonding & sealing – for guaranteed visibility

Headlights are high-tech components – they influence design and are relevant to safety. The demands on bonding and sealing are equally high: absolute tightness, reliable adhesion and maximum resistance to aging. With KLEIBERIT's specially developed adhesive systems, complex geometries, diverse substrates and tight tolerances can be achieved with precision and reliability. Our reactive PUR systems and high-performance sealants ensure long-lasting protection against moisture, temperature fluctuations and vibrations – while maintaining optical precision throughout the product's lifetime.

### Your benefits:

- Long-term sealing and adhesion for plastic combinations
- Excellent temperature and UV resistance
- Short cycle times thanks to rapid curing
- Reliable and fully automatable application

## Emblem bonding – where design meets durability

KLEIBERIT's high-performance adhesives ensure precise and clean emblem application – regardless of shape or substrate. Whether chrome, plastic or painted surfaces, our systems provide durable bonds that withstand wind, weather and car washes alike.

### Your benefits:

- Excellent adhesion on a wide variety of substrates
- Weather, UV and aging resistance
- Clean, visually flawless bond lines
- Fast and process-safe application

KLEIBERIT – for brand appearances that truly stick.



Emblem



Headlights



Spoiler



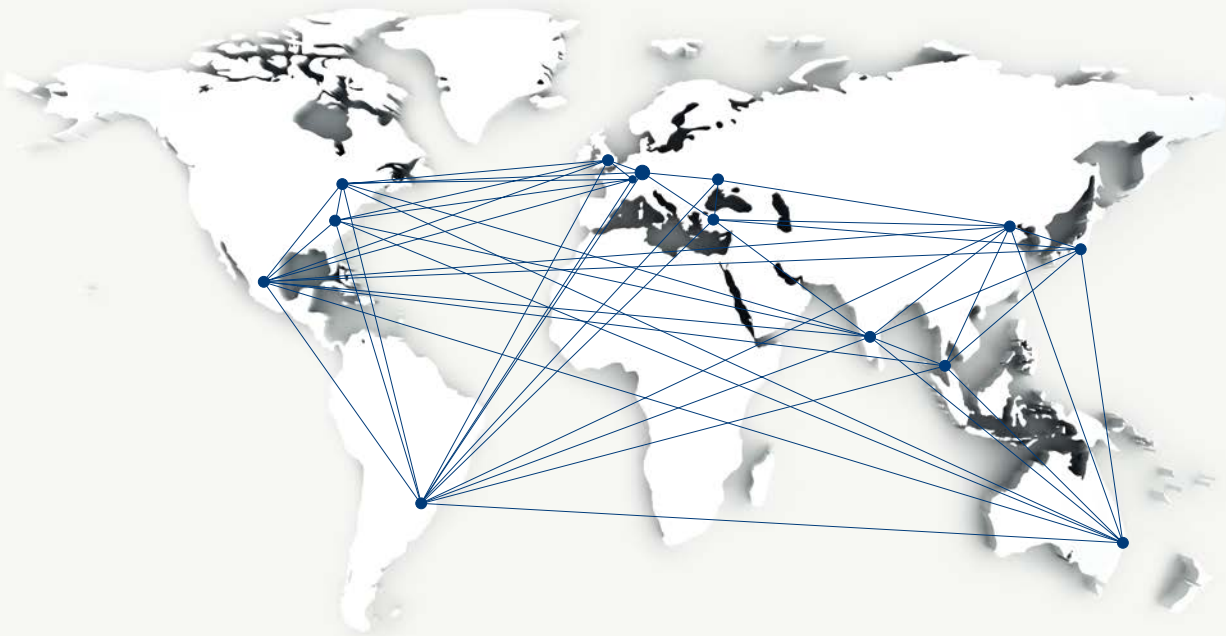
Tailgate



Frontend Module

Applications	Product	Product group
Emblem	703.5	Reactive PUR-HM
Headlights	517.0 713.6.99	2C PUR Reactive PUR-HM

# KLEIBERIT SE & Co. KG – WORLDWIDE



**KLEIBERIT SE & Co. KG (Head Office)**  
Weingarten, Germany

**KLEIBERIT Adhesives UK**  
Coalville, Leicestershire, UK

**KLEIBERIT Chimie S.a.r.l.**  
Mundolsheim, France

**KLEIBERIT Adhesives USA Inc.**  
Waxhaw, North Carolina, USA

**KLEIBERIT Adhesives of Canada Inc.**  
Toronto, Ontario, Canada

**KLEIBERIT AUSTRALIA Pty Ltd.**  
Sydney, Australia

**KLEIBERIT Adhesives Japan**  
Osaka, Japan

**KLEIBERIT Adhesives Beijing Co., Ltd.**  
Beijing, China

**KLEIBERIT Adhesives Asia Pte. Ltd.**  
Singapore, Singapore

**KLEIBERIT Adhesives India Private Ltd.**  
Bangalore, India

**KLEIBERIT Kimya San. ve Tic. A.Ş.**  
Istanbul, Türkiye

**KLEIBERIT-UKRAINE LLC.**  
Kiev, Ukraine

**KLEIBERIT do Brasil Comércio de Adesivos e Vernizes Ltda.**  
Curitiba, Brasil

**KLEIBERIT Adhesives México S.A. de C.V.**  
Mexico City, Mexico

**KLEIBERIT Coatings Asia Pte. Ltd.**  
Singapore, Singapore



**KLEIBERIT SE & Co. KG**  
Max-Becker-Str. 4  
76356 Weingarten/Germany  
Phone: +49 7244 62-0  
Email: [info@kleiberit.com](mailto:info@kleiberit.com)  
[www.kleiberit.com](http://www.kleiberit.com)