

# germanBond®



quality ... beyond expectations



## We make strong connections

germanBelt - quality without compromise

We want your connections to hold. For this reason, we have acquired extensive know-how in adhesion over many years, which we want to share with you by introducing you to our wide range of high performance adhesives.

Our germanBond products create reliable and enduring splices. We find the optimal solution even in extremely unique situations and not only in terms of perfect and enduring splicing. This we guarantee with our seal of quality, "certified by germanBelt".

Quality is our promise. There can be no compromise. We provide you with high quality advice on applications, professional planning by our engineers and, of course, full service at any time. In all phases of the process, we pay the highest attention to unconditional efficiency and the best benefits for our customers.

We know how to make strong connections. See for yourself!

**Uwe Hickmann**  
Managing Partner, germanBelt Group



We do not compromise on quality: our laboratory in Halle/Leipzig, Germany.

# germanBond® Product Range

## Contents

PAGE	SUBJECT
02	Follow the quality
03	Contents
04	Rely on germanBond
05	Adhesives
07	Primer
08	Cleaning fluids
09	Heating solution
09	Repair filler
10	General view





# germanBond®

## Rely on germanBond® adhesives

Our germanBond product line represents with its high quality and innovative products the latest research in the field of two-component industrial adhesives. germanBond combines quality, proven over many years, with technical know how. Our products provide the best possible solution for splicing rubber and/or plastic materials or for bonding them to metal. Rely on germanBond adhesives and profit from our expertise.

- **RELIABLE, STRONG BONDS**
- **EASY TO USE**
- **HIGH STANDARD OF QUALITY**
- **OPTIMIZED CONTACT BONDING**



## Adhesives

Our germanBond two-component adhesive systems are easy to apply and are prepared with germanBond hardener. They offer excellent contact bonding properties and create reliable and resilient bonding.

For contact bonding of conveyor belt splices and repairs, germanBond adhesives have optimal processing times and also long pot lives. Careful selection of raw materials, even and steady manufacturing and the packages' high standard of quality guarantee a long shelf-life.



### germanBond® 2kR Evolution

**Uses:** Two-component contact adhesive non-inflammable for cold bonding of conveyor rubber belts, rubber linings, friction laggings for pulleys and rollers as well as for the permanent-elastic and high-strength bonding of rubber, fabrics, leather, polyurethane and other materials.

**Specifications:**

Colour:	black
Hardener:	germanBond® RE
Diluent/Cleaner:	germanBond® CLT Evolution
Flash-off time:	approx. 10 min (20°C)
Application quantity:	approx. 350 g/m <sup>2</sup> per coat

**Note:** Our adhesives are supplied with detailed application instructions enclosed. If required, request security data sheets for our products.



## germanBond® 4kR CFC-free

**Uses:** Two-component contact adhesive free of chlorinated hydrocarbon and aromates for cold bonding of conveyor rubber belts, rubber linings, friction laggings for pulleys and rollers as well as for the permanent-elastic and high-strength bonding of rubber, fabrics, leather, polyurethane and other materials.

### Specifications:

Colour:	black
Hardener:	germanBond® RE
Diluent/Cleaner:	germanBond® CLR
Flash-off time:	approx. 10 min (20°C)
Application quantity:	approx. 150 g/m <sup>2</sup> per coat

**Note:** Our adhesives are supplied with detailed application instructions enclosed.  
If required, request security data sheets for our products.



## germanBond® 4kP CFC-free

**Uses:** Long lasting elastic adhesion with high firmness of PVC and Polyurethane for joining conveyor belts, lining reservoirs etc. By means of a one- or a two-component(s) adhesive. As well as adhesion of various products made of plastic, rubber, textile, leather, wood and similar materials, together and one to another. By adding the binding material germanBond® Hardener RFE, the gluing firmness, the resistance against heat, emollients and dampness and the adherence can be significantly improved.

### Specifications:

Colour:	colourless
Hardener:	germanBond® RFE
Diluent/Cleaner:	germanBond® CLP
Flash-off time:	approx. 2 min (20°C)
Application quantity:	approx. 150 g/m <sup>2</sup> per coat

**Note:** Our adhesives are supplied with detailed application instructions enclosed.  
If required, request security data sheets for our products.

## Primer

germanBond metal primers are used for plastics/metal and rubber/metal bonding and improve the adhesive strength significantly.

germanBond primers and adhesives create bonds with optimal physical properties. They not only create excellent rubber/metal bonding but also offer, at small cost in material and easy application, temporary protection from corrosion for conditioned steel surfaces.

- **SUPERIOR STABILITY**
- **CORROSION PROTECTION**
- **EASY APPLICATION**



### germanBond® MP

**Uses:** Universal adhesion promoter for cold bonding plastic to metal and rubber to metal with germanBond contact adhesives.

**Specifications:**

Colour:	grey
Viscosity by production (Brookfield):	90 - 170 mPas
Density:	0.92 - 0.96 g/ml
Application:	brush
Flash-off time:	approx. 30 min
Application quantity:	150 - 200 g/m <sup>2</sup> per coat
Storage requirements:	dry, cool, in tightly closed buckets
Shelf life:	minimum of 12 months

**Note:** Our metal primer is supplied with detailed application instructions enclosed. If required, request security data sheets for our products.

## Cleaning fluids

germanBond cleaning fluids are excellently suited for the residue-free removal of grease and dirt from metal or rubber surfaces. They are outstanding fat and oil solvents and guarantee excellent and accurate surface conditioning for gluing or coating.



### germanBond® CLT Evolution

**Uses:** germanBond® CLT Evolution cleaning fluid removes dust, oil and grease from metal and rubber surfaces. It is the diluent for the adhesive germanBond® 2kR Evolution.

**Specifications:**

Density:	1.40 g/cm <sup>3</sup>
Shelf life:	minimum of 24 months
Storage requirements:	dry, cool, in tightly closed buckets



### germanBond® CLR CFC-free

**Uses:** germanBond® CLR cleaning fluid removes dust, oil and grease from metal and rubber surfaces. It is the diluent for the adhesive germanBond® 4kR.

**Specifications:**

Density:	0.85 g/cm <sup>3</sup>
Shelf life:	minimum of 24 months
Storage requirements:	dry, cool, in tightly closed buckets



### germanBond® CLP CFC-free

**Uses:** germanBond® CLP cleaning fluid removes dust, oil and grease from plastic, metal and rubber surfaces. It is the diluent for the adhesive germanBond® 4kP.

**Specifications:**

Density:	0.85 g/cm <sup>3</sup>
Shelf life:	minimum of 24 months
Storage requirements:	dry, cool, in tightly closed buckets

**Note:** Our cleaning fluids are supplied with detailed application instructions enclosed. If required, request security data sheets for our products.



## Heating solution

Conveyor belt splicings made by hot vulcanization are, due to the homogeneous connection of all connecting elements, characterized by very good durability. Our germanBond® HS heating solution contains a special elastomer compound whose adhesive system significantly improves the stickiness of the connecting parts and thus contributes to an optimal splicing strength.



### germanBond® HS CFC-free

**Uses:** CFC-free universally usable mounting solution for the hot vulcanisation of rubber steel-cord and fabric conveyor belts.

**Specifications:**

Colour:	black
Density:	0.75 g/cm <sup>3</sup>
Application quantity:	150 - 200 g/m <sup>2</sup> per coat
Shelf life:	minimum of 6 months
Storage requirements:	dry, cool, frostfree

## Repair filler

germanBond repair filler is an excellent solution for repairing damaged surfaces of fabric or steel cord belts as well as rubber coated pulleys.



### germanBond® REPAIR

**Uses:** One component repair compound for the filling of damaged areas of rubber conveyor belts, rubber linings, drums and cylinders.

**Specifications:**

Colour:	black
Final hardening after:	approx. 24 h (at 20°C)
Application quantity:	approx. 1 kg/m <sup>2</sup> for 1 mm thickness
Oil resistance:	oil resistant according to DIN 53521
Shrinkage:	15 - 20 %
Shore hardness A:	approx. 65° (after complete curing)

## General view

Product	Quantity	Necessary Hardener	Packing Unit
<b>germanBond® 2kR Evolution</b>		Please order hardener separately	
	1.0 kg 41.0 kg 290.0 kg	RE 50 ml RE 2 l RE 14 l	12 tins / carton 1 barrel 1 barrel
<b>germanBond® 4kR CFC-free</b>		Please order hardener separately	
	0.65 kg 4.0 kg 24.0 kg 170.0 kg	RE 50 ml RE 320 ml RE 2 l RE 14 l	12 tins / carton 1 tin 1 barrel 1 barrel
<b>germanBond® RE</b>			
	50 ml 320 ml 1000 ml		12 bottles / carton 1 bottle 1 bottle
<b>germanBond® 4kP CFC-free</b>		Please order hardener separately	
	0.65 kg 4.0 kg	RFE 33 g RFE 200 g	12 tins / carton 1 tin
<b>germanBond® RFE</b>			
	33 g 200 g		12 bottles / carton 1 bottle

**Note:** Our products are supplied with detailed application instructions enclosed.  
If required, request security data sheets.

Product	Quantity	Packing Unit
germanBond® CLT Evolution		
	1.5 l 27.0 l	6 bottles / carton 1 tin
germanBond® CLR CFC-free		
	1.5 l 27.0 l	6 bottles / carton 1 tin
germanBond® CLP CFC-free		
	1.5 l 27.0 l	6 bottles / carton 1 tin
germanBond® HS CFC-free		
	0.6 kg 4.0 kg 20.0 kg	12 tins / carton 1 tin 1 barrel
germanBond® MP		
	0.7 kg 4.0 kg	12 tins / carton 1 tin
germanBond® REPAIR		
	1.0 kg	12 tins / carton

**Note:** Our products are supplied with detailed application instructions enclosed.  
If required, request security data sheets.

# germanBelt®

The content of this publication is non-binding and only serves informational purposes only. The information in this publication as well as the specified products and services may be changed or updated without notice at any time by the germanBelt GmbH. germanBelt®, germanBond® are registered trademarks. © 2016 germanBelt GmbH. All rights reserved.

**germanBelt GmbH**

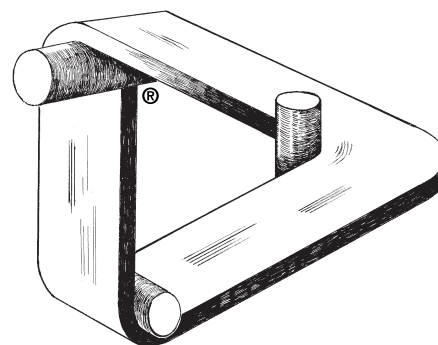
Carl-Vollrath-Str. 8  
D-07422 Bad Blankenburg  
Germany

Tel.: +49 3573 36374-26

Fax: +49 36741 5680-79

E-Mail: [sales@germanBelt.com](mailto:sales@germanBelt.com)

Website: [www.germanBelt.com](http://www.germanBelt.com)



germanBelt ... beyond expectations