

germanLine[®]



quality ... beyond expectations



We protect against wear, vibration and noise

germanBelt — quality without compromise

We know the enormous forces that occur when work gets tough as, for instance, where massive excavated material has to be dealt with every day. High performance conveyor systems, which are permanently exposed to considerable stress when they carry out such tasks, require reliable and heavy-duty wear protection.



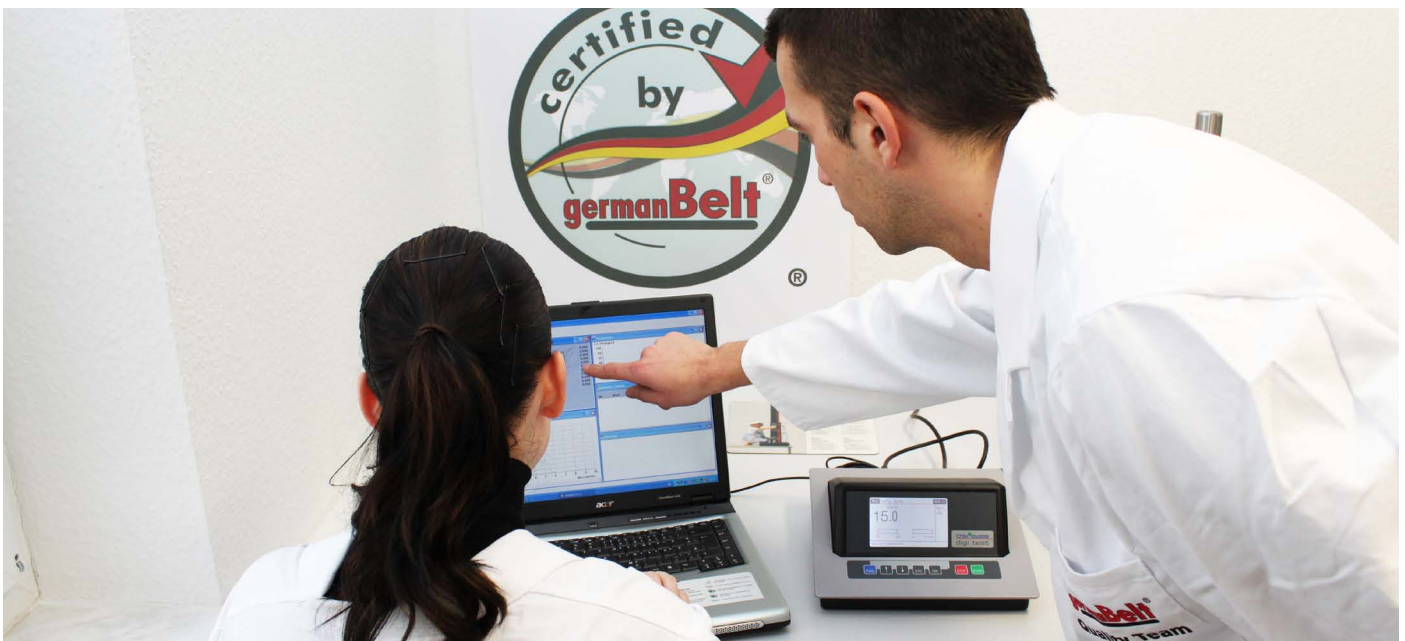
With our germanLine products, we are setting the standards. Our side guarding, lining and cleaning modules prolong the life of conveyor systems considerably. They reduce maintenance costs and cut unnecessary down-time. They reduce vibration and excess noise pollution even in extremely difficult conditions. Achieve a sustainable increase in your systems' total profitability and improve working conditions effectively through germanLine products. 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 protect surfaces in order to stop wear and tear. See for yourself!

Uwe Hickmann

Managing Partner, germanBelt Group

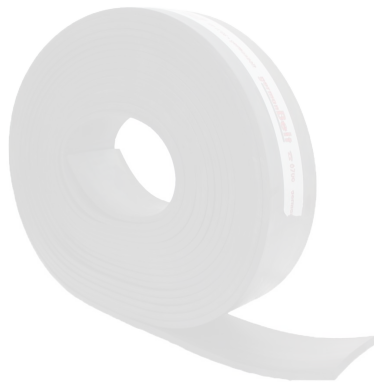


We continuously test our materials in our laboratories to ensure their high longevity: our laboratory in Halle/Leipzig, Germany.

germanLine® Product Range

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Highest reliability of your plants

We offer a variety of engineering applications in order to reduce wear and tear on your materials handling systems and, for instance, to prevent caking, limit noise and maintain overall efficiency. For this purpose, we use special rubber components and continuously test our materials in our laboratories to ensure their high longevity. We call this: efficient solutions for the entire materials handling process. We call this germanLine.

- **EXTREME WEAR RESISTANCE**
- **OPTIMAL SURFACE PROTECTION**
- **WIDE RANGE OF APPLICATION**
- **NOISE REDUCTION**
- **COST REDUCTION**

Rubber skirting

germanLine Red 45 basic ensures optimal sealing especially if fine-grained and dusty material has to be conveyed. It achieves the highest sealing effect when used in combination with germanShock shock absorbing components.



germanLine® Red 45 basic

Available dimensions:

Thickness:	4/6/8/10/12/15/20 mm
Width:	80/100/120/150/200/250 mm
Available length:	20 m

Note:

Special materials on request.

Specifications:

Colour:	red
Density:	1.20 ± 0.03 [g/cm ³]
Hardness:	$45 \pm 5^\circ$ [Shore A]
Tensile strength:	≥ 15 MPa
Elongation at break:	≥ 550 %
Abrasion:	≤ 125 at 5 N [mm ³]
Breaking force:	≥ 50 N/mm

Rubber scraper

The germanLine Black 65 basic rubber scraper is excellent in cleaning conveyor belts and is the perfect solution for any situation. It is easy to handle and can be installed in the existing cleaning system of the plant. Your benefit: higher service life and cost reduction.



germanLine® Black 65 basic

Available dimensions:

Thickness:	4/6/8/10/12/15/20 mm
Width:	80/100/120/150/200/250 mm
Available length:	20 m

Note:

Special materials on request.

Specifications:

Colour:	black
Density:	1.27 ± 0.03 [g/cm ³]
Hardness:	$65 \pm 5^\circ$ [Shore A]
Tensile strength:	≥ 6 MPa
Elongation at break:	≥ 300 %
Abrasion:	≤ 250 at 10 N [mm ³]
Breaking force:	≥ 10 N/mm

Wear protection rubber

Our high-quality germanLine rubber linings offer the best surface protection for your machinery and equipment. Increase your productivity many times over. Avoid unnecessary maintenance and downtime costs - your benefits. Combined with our germanBond products, germanLine wear protection linings with CN-Layer provide an extremely good bonding system.

Simple, fast and secure processing manner as well as stronger bondings - your advantage.

germanLine® Red 35

Available dimensions:

Thickness: 3/5/6/8/10/12/15/20 mm
Width: 1,500/2,000 mm
Available lengths: 10/20/50 m

Specifications:

Colour: red
Density: 0.97 [g/cm³]
Hardness: 35 ± 5° [Shore A]
Tensile strength: ≥ 19 MPa
Elongation at break: ≥ 650 %
Abrasion: ≤ 110 at 10 N [mm³]
Breaking force: ≥ 60 N/mm

Uses:

For fine-grained, sharp and hard conveyor good e.g. wet grit

Ostensibly used in bunkers, chutes, gutters, aprons, silos etc. as a underlayment, shock absorber and protection against caking.

Note:

Special materials on request e.g. oil- and grease-resistant, heat-resistant, FDA and acid-resisting.

germanLine® Beige 35 with CN-Layer

Available dimensions:

Thickness: 4/6/8/10/12/15/20 mm
Width: 1,500/2,000 mm
Available lengths: 10/20/50 m

Specifications:

Colour: beige
Density: 1.0 ± 0.03 [g/cm³]
Hardness: 35 ± 5° [Shore A]
Tensile strength: ≥ 19 MPa
Elongation at break: ≥ 650 %
Abrasion: ≤ 95 at 5 N [mm³]
Breaking force: ≥ 50 N/mm

Uses:

For highest requirements and characterised by its excellent wear resistance against wet wear and round grain.

To apply in granule pulleys, bunkers, chutes, gutters, aprons, silos etc.

Note:

Special materials on request e.g. oil- and grease-resistant, heat-resistant, FDA and acid-resisting.



germanLine® Red 40 with CN-Layer

Available dimensions:

Thickness: 4/6/8/10/12/15/20 mm
 Width: 1,500/2,000 mm
 Available lengths: 10/20/50 m

Specifications:

Colour: red
 Density: 1.08 ± 0.03 [g/cm³]
 Hardness: $40 \pm 5^\circ$ [Shore A]
 Tensile strength: ≥ 17 MPa
 Elongation at break: ≥ 650 %
 Abrasion: ≤ 85 at 5N [mm³]
 Breaking force: ≥ 60 N/mm

Uses:

Extremely high demands and characterised by its excellent wear resistance to sharp-edged grain.

Universally usable in dry and wet areas as a underlayment, shock absorber and protection against caking.

Note:

Special materials on request e. g. oil- and grease-resistant, heat-resistant, FDA and acid-resisting.

germanLine® Black 60 with CN-Layer

Available dimensions:

Thickness: 4/6/8/10/12/15/20 mm
 Width: 1,500/2,000 mm
 Available lengths: 10/20/50 m

Specifications:

Colour: black
 Density: 1.10 ± 0.03 [g/cm³]
 Hardness: $60 \pm 5^\circ$ [Shore A]
 Tensile strength: ≥ 20 MPa
 Elongation at break: ≥ 450 %
 Abrasion: ≤ 90 at 10N [mm³]
 Breaking force: ≥ 80 N/mm

Uses:

Standard quality with extremely high demands on wear resistance, for rough and abrasive material and large drop heights. germanLine Black 60 shows is characterised by first-class tensile strength and durability.

Note:

Special materials on request e. g. oil- and grease-resistant, heat-resistant, FDA and acid-resisting.

Elastomer plates

germanLine elastomer plates for subordinated applications are used in case of less pinching and cutting wear and provide a cost effective alternative at lower heights and smaller particle sizes.

- **OPTIMAL SURFACE PROTECTION**
- **SIGNIFICANT COST BENEFITS**
- **WIDE RANGE OF APPLICATION**

germanLine® Red 45 basic

Available dimensions:

Thickness: 4/6/8/10/12/15/20 mm
Width: 1,500/2,000 mm
Available lengths: 10/20/50 m

Note:

Special materials on request e.g. with fabric lining.

Specifications:

Colour: red
Density: 1.20 ± 0.03 [g/cm³]
Hardness: $45 \pm 5^\circ$ [Shore A]
Tensile strength: ≥ 15 MPa
Elongation at break: ≥ 550 %
Abrasion: ≤ 125 at 5N [mm³]
Breaking force: ≥ 50 N/mm

germanLine® Black 65 basic

Available dimensions:

Thickness: 3/5/6/8/10/12/15/20 mm
Width: 1,500/2,000 mm
Available lengths: 10/20/50 m

Note:

Special materials on request e.g. with fabric lining.

Specifications:

Colour: black
Density: 1.27 ± 0.03 [g/cm³]
Hardness: $65 \pm 5^\circ$ [Shore A]
Tensile strength: ≥ 6 MPa
Elongation at break: ≥ 300 %
Abrasion: ≤ 250 at 10N [mm³]
Breaking force: ≥ 10 N/mm

General view

Product	Thickness (mm)	Width (mm)	Length (m)
germanLine® Red 45 basic			
Rubber skirting	4	80/100/120	20
Shore A 45°	6	150/200/250	20
Colour: red	8	80/100/120	20
	10	150/200/250	20
	12	80/100/120	20
	15	150/200/250	20
		80/100/120	20
	20	150/200/250	20
		80/100/120	20
	150/200/250	20	
germanLine® Black 65 basic			
Rubber scraper	4	80/100/120	20
Shore A 65°	6	150/200/250	20
Colour: black	8	80/100/120	20
	10	150/200/250	20
	12	80/100/120	20
	15	150/200/250	20
		80/100/120	20
	20	150/200/250	20
		80/100/120	20
	150/200/250	20	

Note: Special materials on request.

Product	Thickness (mm)	Width (mm)	Length (m)
germanLine® Red 35			
Wear protection component	3	1,500/2,000	10, 20, 50
Shore A 35°	5	1,500/2,000	10, 20, 50
Colour: red	6	1,500/2,000	10, 20, 50
	8	1,500/2,000	10, 20, 50
	10	1,500/2,000	10, 20, 50
	12	1,500/2,000	10, 20, 50
	15	1,500/2,000	10, 20, 50
	20	1,500/2,000	10, 20
germanLine® Beige 35			
Wear protection component	4	1,500/2,000	10, 20, 50
With CN-Layer	6	1,500/2,000	10, 20, 50
Shore A 35°	8	1,500/2,000	10, 20, 50
	10	1,500/2,000	10, 20, 50
Colour: beige	12	1,500/2,000	10, 20, 50
	15	1,500/2,000	10, 20, 50
	20	1,500/2,000	10, 20
	germanLine® Red 40		
Wear protection component	4	1,500/2,000	10, 20, 50
With CN-Layer	6	1,500/2,000	10, 20, 50
Shore A 40°	8	1,500/2,000	10, 20, 50
	10	1,500/2,000	10, 20, 50
Colour: red	12	1,500/2,000	10, 20, 50
	15	1,500/2,000	10, 20, 50
	20	1,500/2,000	10, 20
	germanLine® Black 60		
Wear protection component	4	1,500/2,000	10, 20, 50
With CN-Layer	6	1,500/2,000	10, 20, 50
Shore A 60°	8	1,500/2,000	10, 20, 50
	10	1,500/2,000	10, 20, 50
Colour: black	12	1,500/2,000	10, 20, 50
	15	1,500/2,000	10, 20, 50
	20	1,500/2,000	10, 20

Note: Special materials on request e. g. oil- and grease-resistant, heat-resistant, FDA and acid-resisting.

Product	Thickness (mm)	Width (mm)	Length (m)
germanLine® Red 45 basic			
Elastomer plate	4	1,500/2,000	10, 20, 50
Shore A 45°	6	1,500/2,000	10, 20, 50
Colour: red	8	1,500/2,000	10, 20, 50
	10	1,500/2,000	10, 20, 50
	12	1,500/2,000	10, 20, 50
	15	1,500/2,000	10, 20, 50
	20	1,500/2,000	10, 20
germanLine® Black 65 basic			
Elastomer plate	3	1,500/2,000	10, 20, 50
Shore A 65°	5	1,500/2,000	10, 20, 50
Colour: black	6	1,500/2,000	10, 20, 50
	8	1,500/2,000	10, 20, 50
	10	1,500/2,000	10, 20, 50
	12	1,500/2,000	10, 20, 50
	15	1,500/2,000	10, 20, 50
	20	1,500/2,000	10, 20

Note: Special materials on request e. g. with fabric lining.

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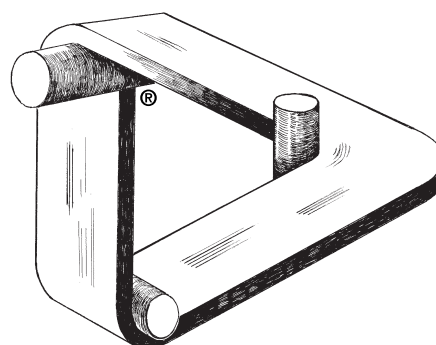
Carl-Vollrath-Str. 8
D-07422 Bad Blankenburg
Germany

Tel.: +49 3573 36374-26

Fax: +49 36741 5680-79

E-Mail: sales@germanBelt.com

Website: www.germanBelt.com



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