

<u>»e-laver</u>

ELASTIC LAYERS FOR SPORTS FLOOR SYSTEMS

SPORTS HALLS, MULTI-PURPOSE SPORTS SURFACES, TENNIS, ATHLETIC TRACKS, FIELD SPORTS & FITNESS



E-LAYERS: WHAT MORE DO THEY OFFER?

SPORTEC elastic layers exist for over 20 years, but the E isn't just for "elastic", to us at KRAIBURG Relastec it means a lot more:



Our E-Layers offer shock absorption and provide energy restitution, so that players physically benefit from their own energy, regenerated on the rebound, by the elastic flooring.

$\Box(C_{7}(0))$

By minimizing the use of new raw materials, we are able to develop e-layers with a focus on both technical performance and cost efficiency. Our SPORTEC® elastic layers are often the most economic components within a sports floor system and we offer value for money whilst exceeding the expectations of our

'Made in Germany" label.



"Elastic Layer" – it's almost self-explanatory, but the elasticity of our SPORTEC® products help to protect athletes from injuries and make all forms of sport a dynamic yet comfortable experience.



engineering our SPORTEC® elastic layers. Finding the perfect compromise between elasticity and long-term technical performance for each type of sporting use is our ultimate goal.

 $\Xi(C,0)$

Made from 100% second life raw materials, each and every one of our SPORTEC® E-Layers make a positive contribution to helping the environment. Not only is the raw material recycled, the e-layers themselves are also recyclable and benefit from an A+ VOC emissions rating

From a simple elastic cushion, to a high performance sports underlay, we offer and develop SPORTEC® elastic layers which can be fit comfortably into most sports flooring systems. Feel free to contact us for more information!



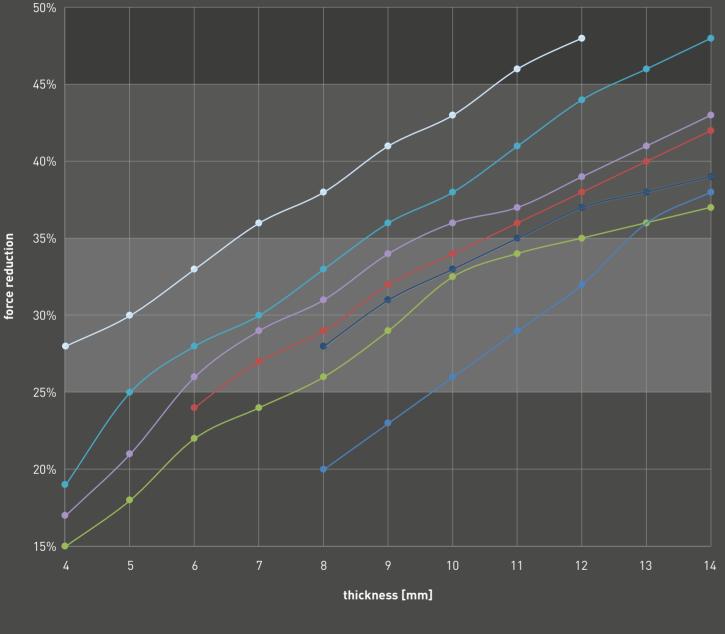


MORE FROM YOUR FLOOR

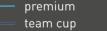


Force reduction

How much shock do our E-layers absorb?







— supercell DC3

— trend



ments are necessary.

Prefabricated rolls

Soft enough to protect, robust enough to resist, we have various

E-Layers that support and enhance all types of sports flooring

systems, enabling them to meet whichever technical require-

Standard deformation

How robust is the floor to

punctual loads?

For controlled and guaranteed guality consistency.



Thanks to internationally certified factory production and quality processes, prefabricated E-Layers guarantee consistent technical performance every time starting from 3mm thickness and going up to 30mm (depending on the material).

Our recommendations in this brochure take into account all these technical criteria. Further technical details can be found in our product data sheets.

Energy Restitution

How well does the sports floor convert impact energy into rebound momentum to give an energy boosting effect?



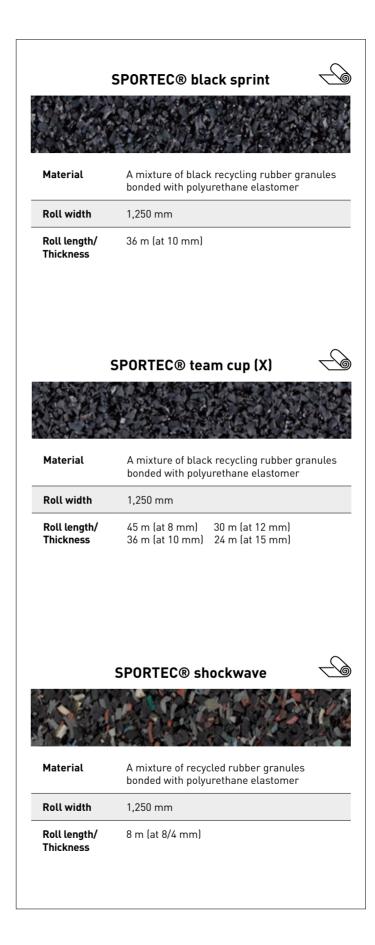
Energy restitution helps improve performance and our SPORTEC® E-Layers, made of long-life granules, help the athlete to achieve their maximum potential again, and again, and again.



Using second life raw materials reduces the environmental impact of our E-Layers. Their Product Carbon Footprint values demonstrate their advantage, especially when comparing to primary raw material based products for the same purpose.

	SPORTEC® star	ndard 2 N	-6
時後の後の後の			
Material	Fine-grain recycle bonded with polyu	d tyre rubber granules rethane elastomer	
Roll width	1,500 mm		
Roll length/ Thickness	24 m (at 5 mm)	15 m (at 8 mm) 13 m (at 9 mm) 12 m (at 10 mm) 10 m (at 12 mm)	
SPOR	TEC® standard	2.0 + Geotextil	-6
Material		d tyre rubber granules rethane elastomer	
Roll width	1,500 mm		
Roll length/ Thickness	30 m (at 4 mm) 24 m (at 5 mm) 20 m (at 6 mm) 17 m (at 7 mm)	15 m (at 8 mm) 13 m (at 9 mm) 12 m (at 10 mm) 10 m (at 12 mm)	
	SPORTEC® star	ndard LD	-6
Material	Fine-grain recycle bonded with polyu	d tyre rubber granules rethane elastomer	
Roll width	1,500 mm		
Roll length/ Thickness	20 m (at 6 mm) 17 m (at 7 mm) 15 m (at 8 mm)	13 m (at 9 mm) 12 m (at 10 mm) 10 m (at 12 mm)	_

S	PORTEC® supercell DC 1 🛛 🕁
No.	
Material	A mixture of recycled PU-foam and Latex granules bonded with polyurethane elastomer
Dimensions	2,000 x 1,000 mm
Thicknesses	10, 20 mm
SI	PORTEC® supercell DC 2 🕁
Material	A mixture of recycled PU-foam and Latex granules bonded with polyurethane elastomer
Dimensions	2,000 x 1,000 mm
Thicknesses	10, 20 mm
S	PORTEC® supercell DC 3
(riel)	
Material	Fine-grain recycled PU-foam and Latex granules bonded with polyurethane elastomer
Roll width	1,500 mm
Roll length/ Thickness	20 m (at 6 mm) 15 m (at 8 mm) 12 m (at 10 mm)



SPORTEC® trend



Material	with additional c	led tyre rubber granules losed-cell recycled rubber vurethane elastomer
Roll width	1,500 mm	
Roll length/ Thickness	20 m (at 6 mm) 17 m (at 7 mm) 15 m (at 8 mm)	13 m (at 9 mm) 12 m (at 10 mm) 10 m (at 12 mm)

SPORTEC® premium

Material Special mixture of recycled cellular rubber and fine-grain recycled tyre rubber granules bonded with polyurethane elastomer 1,500 mm Roll width 20 m (at 6 mm) 12 m (at 10 mm) Roll length/ 17 m (at 7 mm) 10 m (at 12 mm) Thickness 15 m (at 8 mm) 9 m (at 14 mm) 13 m (at 9 mm)



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Follow us on the KRAIBURG Relastec social media channels or visit the SPORTEC® website regularly for updates!







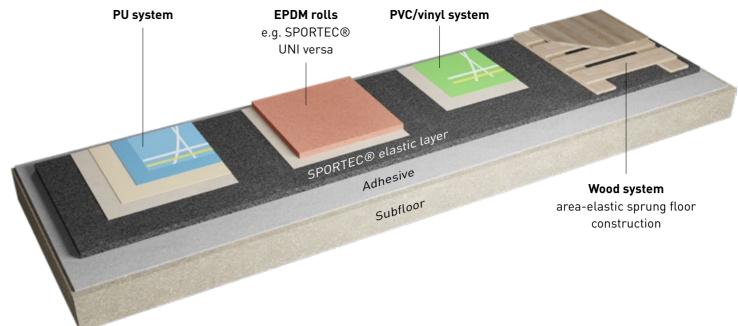
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Our recommendations for sports halls:

	standard 2.0	standard LD	Geotextil	trend	premium 🕐	supercell DC 1	supercell DC 2	supercell DC 3	team cup	team cup X	black sprint	shock- wave 3D
≥ 25% Force re- duction (type P1)	9 mm	7 mm	9 mm	7 mm	6 mm			5 mm				
≥ 30% Force reduction	10 mm	9 mm	10 mm	9 mm	8 mm			6 mm				
> 35% Force re- duction (type P2)		12 mm		12 mm	10 mm			8 mm				
>45% Force re- duction (type P3)					14 mm			12 mm				
>51% Force re- duction (DE cat 1)					14mm							
Area-elastic systems > 45% Force reduction							from 10 mm		from 10 mm			

All technical values required in EN 14904 and DIN18032-2 are full system measurements. The thickness of the elastic layer determines the force reduction of the system. The above thickness recommendations apply to PU systems.

Guide values for other systems:

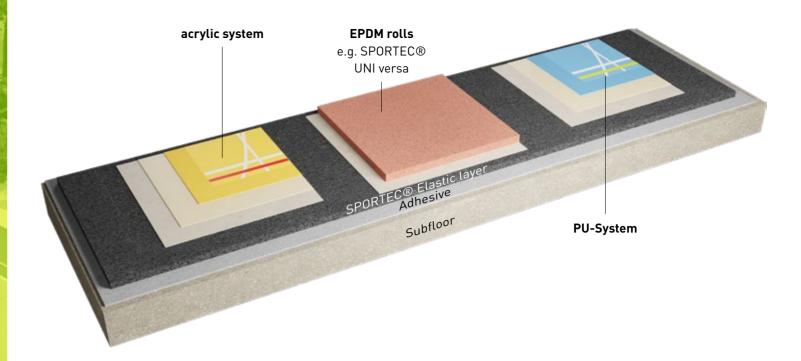
- EPDM rolls: usually SPORTEC standard 2.0 (4-10mm thickness)
- Wood: usually SPORTEC supercell DC 3 or SPORTEC team cup as sheets or shock pads (10 or 15 mm thickness)
- More details regarding which elastic layer fits which system can be found on page 28. Please contact your SPORTEC partner for more details.

SPORTS HALLS PU, EPDM ROLLS, WOOD OR PVC/VINYL SYSTEMS

• PVC/vinyl/linoleum: PVC/vinyl/linoleum: usually SPORTEC supercell DC 3 to prevent plasticiser migration (6-10mm thickness)







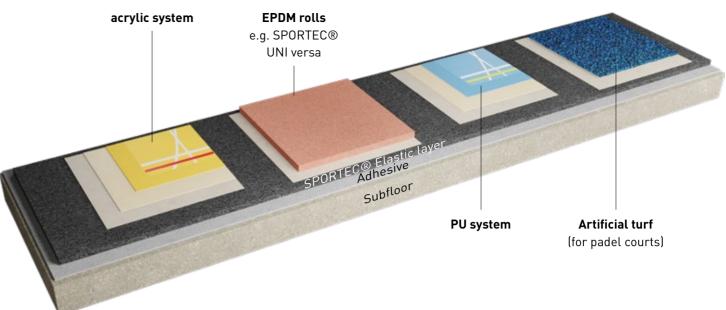
Our recommendations for multi-purpose outdoor sports areas:

	standard 2.0	standard LD	standard + Geotextil	trend	premium premium	supercell DC 1	supercell DC 2	supercell DC 3	🍋 team cup	🍏 team cup X	black sprint	👏 shockwave 3D
multipurpose sports areas for acrylic and PU	4 mm		4 mm									
multipurpose sports areas for EPDM rolls	4 mm											
sports areas for EPDM rolls according to EN 14877		9 mm										

MULTI-PURPOSE OUTDOOR SPORTS AREAS ACRYLIC, PU OR EPDM ROLLS



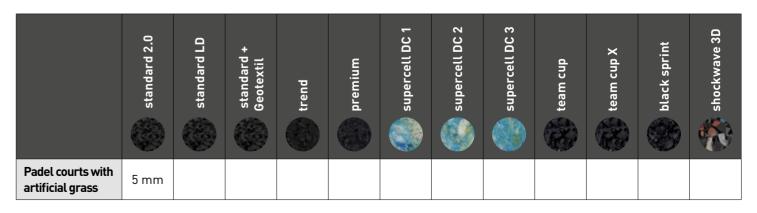




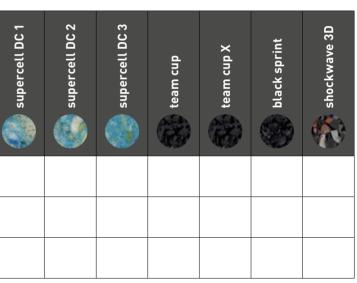
Our recommendations for tennis courts:

	standard 2.0	standard LD	standard + Geotextil	trend trend	premium	
tennis courts for acrylic	4 mm		7 mm			
tennis courts for PU	4 mm					
tennis courts for EPDM rolls	4 mm					

Our recommendations for padel courts:

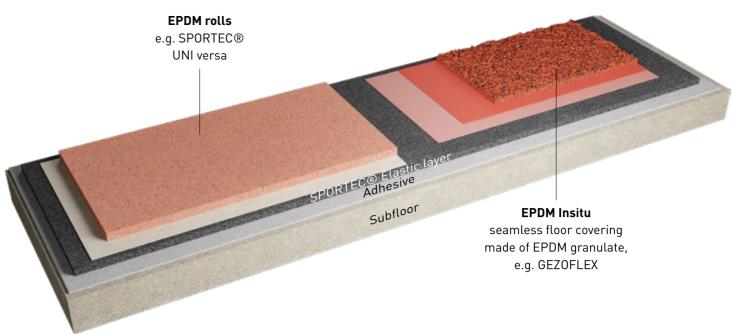


TENNIS, PADEL & PICKLEBALL ACRYLIC, PU, EPDM ROLLS & ARTIFICIAL TURF









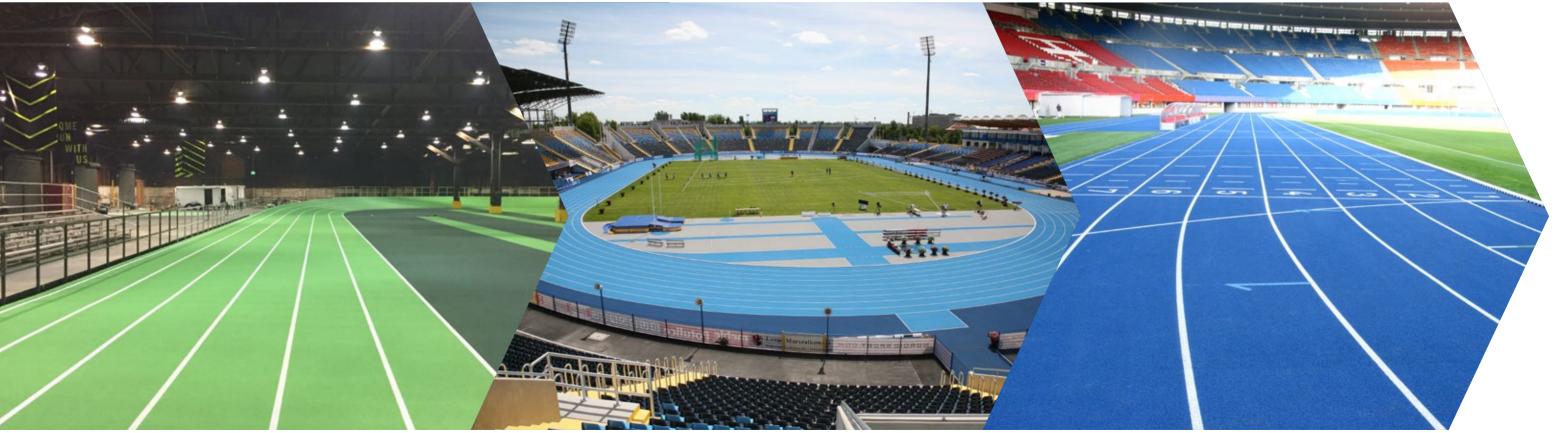
Our recommendations for tracks:

	standard 2.0	standard LD	standard + Geotextil	trend	premium	supercell DC 1	supercell DC 2	supercell DC 3	🍏 team cup	💓 team cup X	black sprint	👏 shockwave 3D
for leisure and school with EPDM rolls	4 mm											
Track with spikes (EN 14877) with EPDM rolls		9 mm									10 mm	
Track with spikes (EN 14877) with EPDM Insitu	10 mm	9 mm									10 mm	

ATHLETICS TRACKS EPDM INSITU, EPDM ROLLS

Reference projects



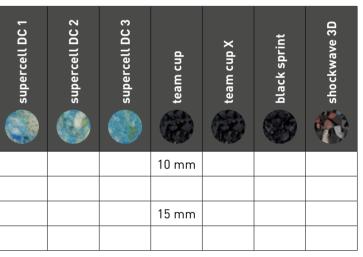




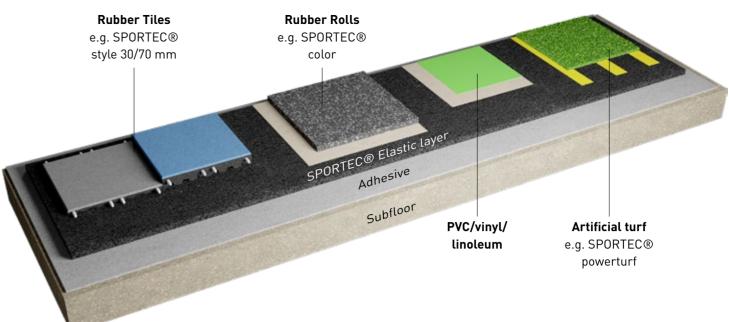
Our recommendations for field sports:

	standard 2.0	standard LD	standard + Geotextil	trend trend	premium	
Soccer						
Hockey		10 mm				
Rugby						
Gardening	10 mm					

FIELD SPORTS ARTIFICIAL TURF



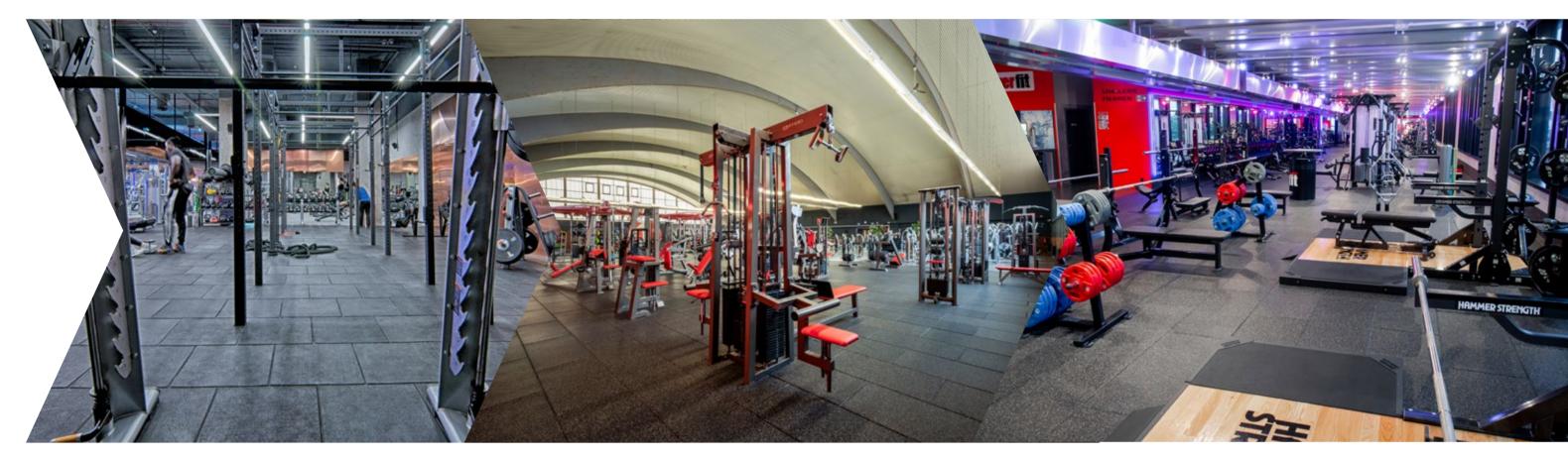




Our recommendations for fitness:

	standard 2.0	🐑 standard LD	standard + Geotextil	trend	premium	supercell DC 1	supercell DC 2	supercell DC 3	🍏 team cup	🍏 team cup X	💓 black sprint	💏 shockwave 3D
SPORTEC® style 30 mm							10 mm			10 mm		8/4 mm
SPORTEC® style 70 mm							20 mm			10 mm		8/4 mm
SPORTEC® rolls	from 4 mm							6 mm		from 10 mm		
SPORTEC® powerturf	10 mm									10 mm		
PVC, vinyl, linoleum								6 mm				

FITNESS 1 R JBBER TILES





Which Elastic layer is suitable for which floor covering?



We recommend that all SPORTEC® E-Layers are installed on a stable concrete or asphalt sub-base.



The Elastic layer is supplied in rolls, which must be stored for 1-2 days at a temperature of 15°C to 25°C to acclimatise where they are to be installed. The day before installation, unroll the elastic layer loosely so that the individual strips can relax. Mix the two components of the adhesive before installation. Spread the adhesive evenly over the surface where the roll will be laid using a notched trowel.



Always install the rolls with the underside (the side with the batch sticker) facing down and always in the same direction. Installation of the rolls should be with butted joints so that there are no gaps between the rolls.



	standard 2.0	standard LD	standard + Geotextil	trend	premium	supercell DC 1	supercell DC 2	supercell DC 3	team cup	💓 team cup X	👏 black sprint	📩 shockwave 3D
for Indoor	✓	<		√	<	√	√	√	√	√	√	~
for Outdoor	✓	<	<						<		\checkmark	
SPORTEC® rolls	✓	<	<	<	<			√	<	<		
SPORTEC® tiles	✓	<	<	<	<	√	<	<	<	<		~
EPDM - Insitu	<	<	<								✓	
PU	✓	<	<	<	<			<				
Acrylic	<	<	√	<	<			<				
Artificial turf	<	<					√	<	✓	<		
Linoleum	<	<		<	<			✓				
PVC	√ ∗	√ ∗		√ ∗	√ ∗			✓				
Vinyl	√ ∗	√*						√				

* A separating layer is recommended due to possible plasticiser migration.



Other SPORTEC® applications

SPORTEC® serves a wide range of applications and sports with its finished products in roll and tile formats.















SUSTAINABILITY

Corporate Carbon Footprint, Product Carbon economic sustainability at KRAIBURG Relastec



Recycling of up to 60.000 t material

Every year, we process and recycle up to 60,000 tons of old tyres, closed-cell rubber foams and rubber production scrap.



Reduction of CO, emissions

By using recycled rubber granulate, we save more than 130.000 tonnes of CO₂ emissions per year compared to virgin rubber.



Corporate **Carbon Footprint**

The CCF was developed in accordance with the Greenhouse Gas Protocol audit.





Equal opportunities



Social responsibility

Fair pay, collective bargaining, further training,



Respect

worthy towards our colleagues and partners.



Coming soon: Product Carbon Footprint

The PCF is measured in accordance with ISO 14067 and ISO 14040/44.



Energy management according to ISO 50001

Our energy management system is in accordance with ISO 50001 standards. Energy-relevant topics are taken into account in all processes of the organisation.

Social sustainability

Acting in accordance with our

values such as equal opportunities,

social responsibility, respectful

treatment and transparency, is our

foundation for practicing social



Bronze Rating

The ecovadis rating covers numerous management systems, including environmental impact and sustainable procurement. More information: www.ecovadis.com



Economic sustainability

As a family business, KRAIBURG Holding pursues a long-term strategy. Profits generated are used to a significant extent to make our holistic business model ever more efficient and future-proof.



Personal contact persons

We do not hide behind support hotlines and contact forms. With us, you have personal, competent contact persons.

Product quality



Our products meet the highest quality standards. They are durable, a perfect fit and made from high-quality raw materials.

Innovation and product design

We continuously develop new products according to the requirements of our customers and the market.



NEW LIFE

CORPORATE CULTURE

common action and cooperation inside and



Strong decision-making powers

NO YES We ensure speed in process handling, faster technology optimisationsand lean processes.



Responsible for our actions

We take responsibility for all decisions and results. Error acceptance and the strong will to correct and learn from them are firmly anchored in our culture.



Transparency

inside and outside the company.

WHAT SETS US APART



Internationality

With an export quota of over 50%, we have already exported our products to over 100 countries.



Easy complaint management Transparent and optimised processes ensure rapid processing.



Flexibility with customer requirements We offer our partners customised options for packaging, labelling and delivery, packaging, labelling and delivery.



Long-term relationships We maintain long-term relationships with our customers and suppliers based on mutual respect and fairness.



Marketing support

We provide you with the best possible support in the form of images or in the design of your documents.

MORE FROM YOUR FLOOR

SPORTEC®

Sports flooring and elastic layers made from rubber granules

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