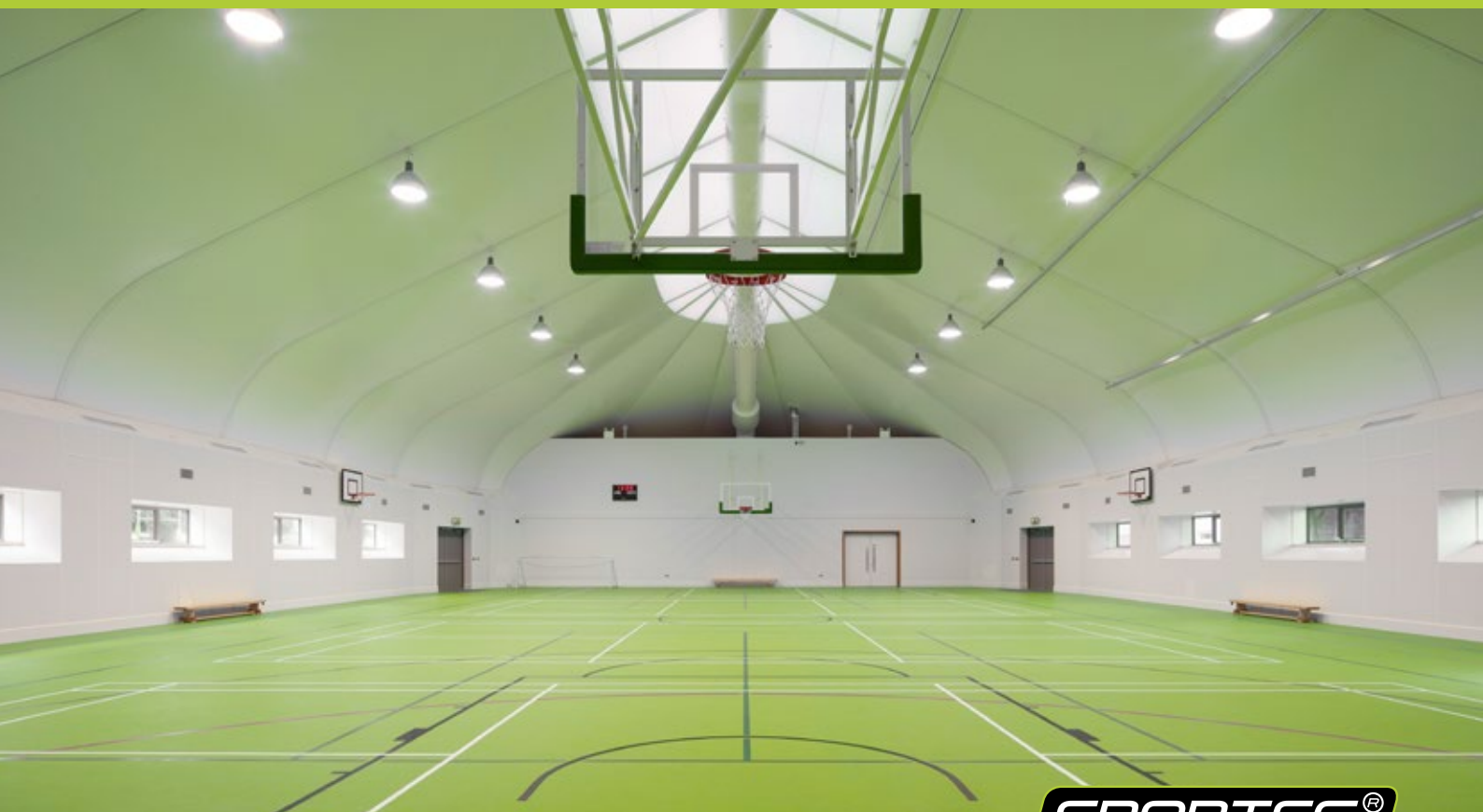


»e-layer

ELASTIC LAYERS FOR SPORTS FLOOR SYSTEMS

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



SPORTEC®

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:

ENERGY-GIVING

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.

ECONOMIC

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.

ERGONOMIC

"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.

ENGINEERED

Not too hard, not too soft, just right – that is the philosophy we apply when 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.

ECOLOGICAL

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.

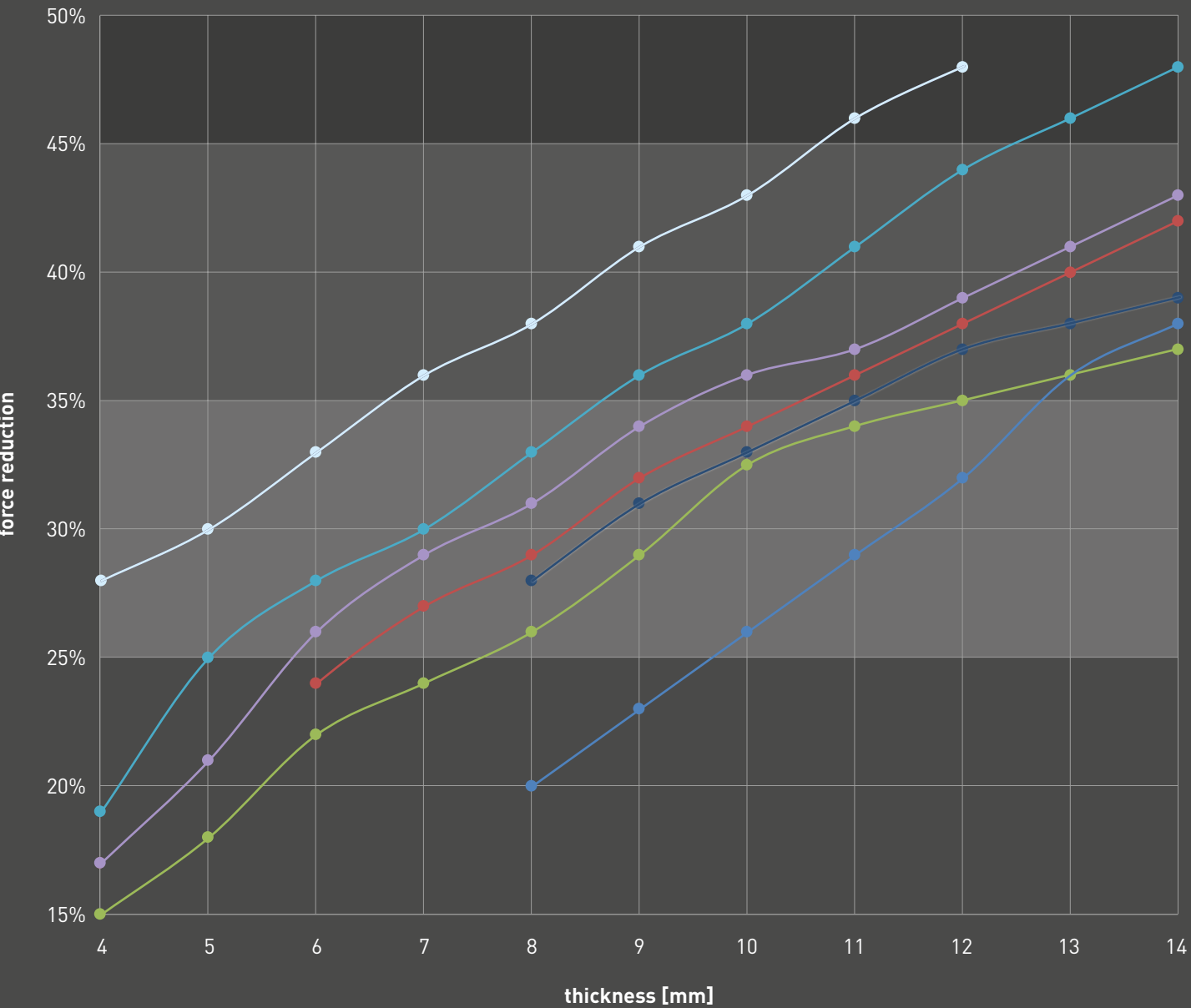
ELABORATE

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!



Force reduction

How much shock do our E-layers absorb?



- UNI versa sandwich

standard LD

standard 2.0

trend
- premium

team cup

supercell DC3



Standard deformation

How robust is the floor to punctual loads?



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 requirements are necessary.



Prefabricated rolls

For controlled and guaranteed quality 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?

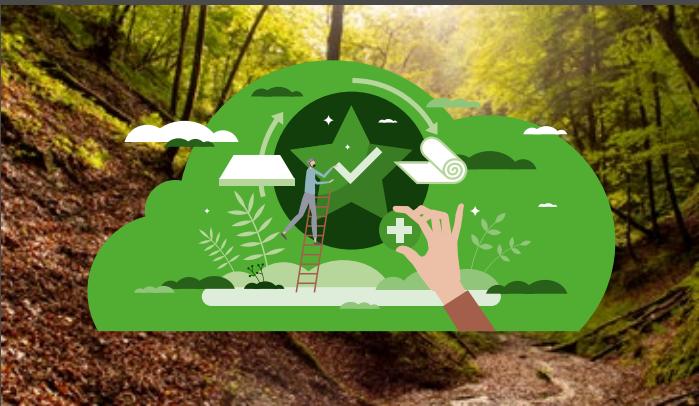


Energy restitution helps improve performance and our SPORTEC® E-Layers, made of long-life granules, help the athlete to achieve their maximum potential again, and again, and again.



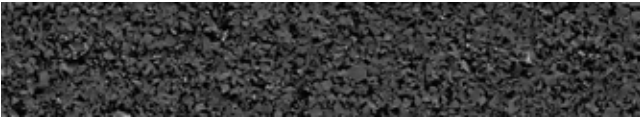
Product Carbon Footprint

Independently verified CO₂ emissions certificate for every SPORTEC® product.



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® standard 2.0



Material

Fine-grain recycled tyre rubber granules bonded with polyurethane elastomer

Roll width

1,500 mm

Roll length/
Thickness

30 m (at 4 mm)

15 m (at 8 mm)

24 m (at 5 mm)

13 m (at 9 mm)

20 m (at 6 mm)

12 m (at 10 mm)

17 m (at 7 mm)

10 m (at 12 mm)

SPORTEC® standard LD



Material

Fine-grain recycled tyre rubber granules bonded with polyurethane elastomer

Roll width

1,500 mm

Roll length/
Thickness

20 m (at 6 mm)

13 m (at 9 mm)

17 m (at 7 mm)

12 m (at 10 mm)

15 m (at 8 mm)

10 m (at 12 mm)

SPORTEC® supercell



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

SPORTEC® black sprint



Material

A mixture of black recycling rubber granules bonded with polyurethane elastomer

Roll width

1,250 mm

Roll length/
Thickness

36 m (at 10 mm)

SPORTEC® team cup (X)



Material

A mixture of black recycling rubber granules bonded with polyurethane elastomer

Roll width

1,250 mm

Roll length/
Thickness

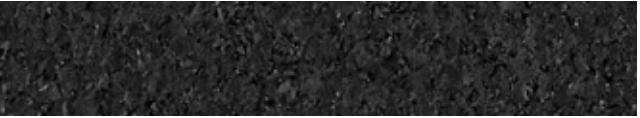
45 m (at 8 mm)

30 m (at 12 mm)

36 m (at 10 mm)

24 m (at 15 mm)

SPORTEC® trend



Material

Fine-grain recycled tyre rubber granules with additional closed-cell recycled rubber bonded with polyurethane elastomer

Roll width

1,500 mm

Roll length/
Thickness

20 m (at 6 mm)

13 m (at 9 mm)

17 m (at 7 mm)

12 m (at 10 mm)

15 m (at 8 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

Roll width

1,500 mm

Roll length/
Thickness

20 m (at 6 mm)

12 m (at 10 mm)

17 m (at 7 mm)

10 m (at 12 mm)

15 m (at 8 mm)

9 m (at 14 mm)

13 m (at 9 mm)

SPORTEC® shockwave



Material

A mixture of recycled rubber granules bonded with polyurethane elastomer

Roll width

1,250 mm

Roll length/
Thickness

8 m (at 8/4 mm)

New elastic layers coming soon!



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

6

7



OUTDOOR MULTISPORTS AREAS

page 14-17

FIELD SPORTS

page 26-29

ALTHETICS TRACKS

page 22-25

TENNIS & PADEL

page 18-21

SPORTS HALLS

page 10-13

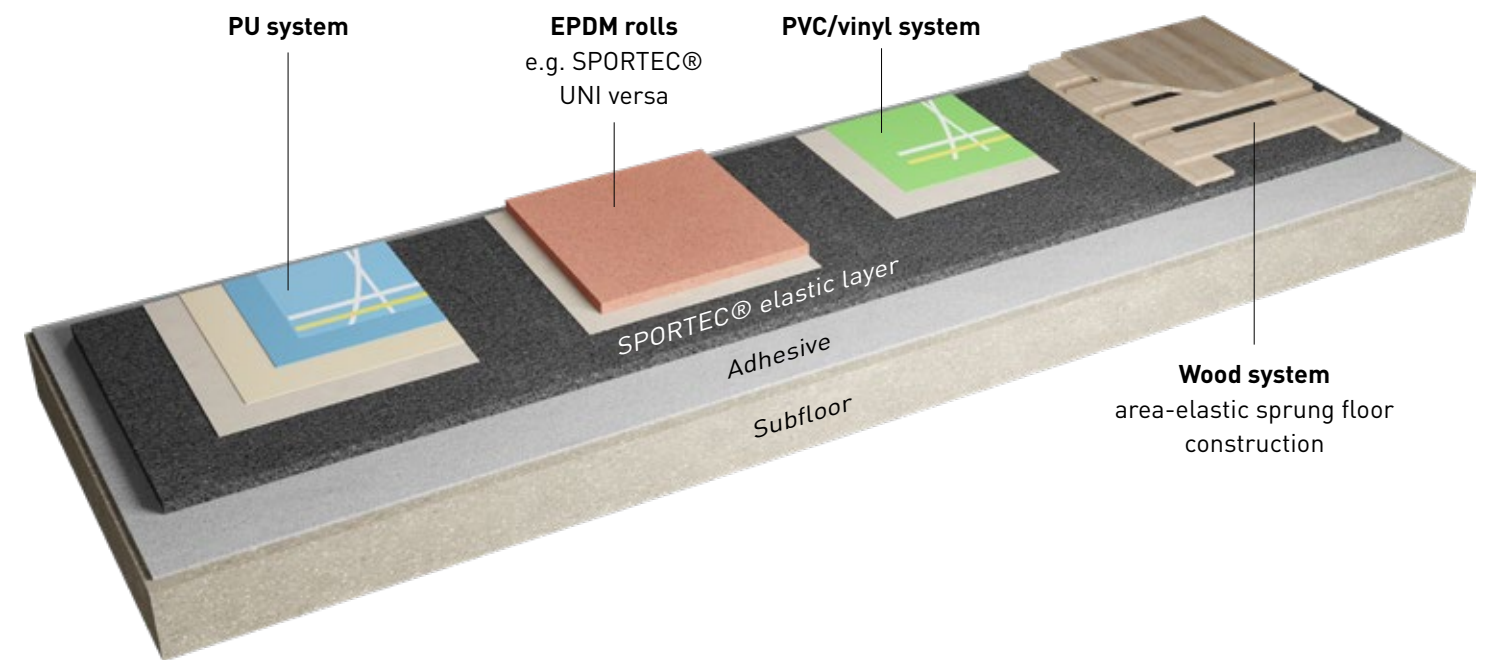
FITNESS

page 30-33



SPORTS HALLS

PU, EPDM ROLLS, WOOD OR PVC/VINYL SYSTEMS



Our recommendations for sports halls:

	standard 2.0	standard LD	trend	premium	supercell	team cup	team cup X	black sprint	shock- wave 3D
≥ 25% Force reduction (type P1)	9 mm	7 mm	7 mm	6 mm					
≥ 30% Force reduction	10 mm	9 mm	9 mm	8 mm					
≥ 35% Force reduction (type P2)		12 mm	12 mm	10 mm					
≥ 45% Force reduction (type P3)				14 mm					
≥ 51% Force reduction (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:

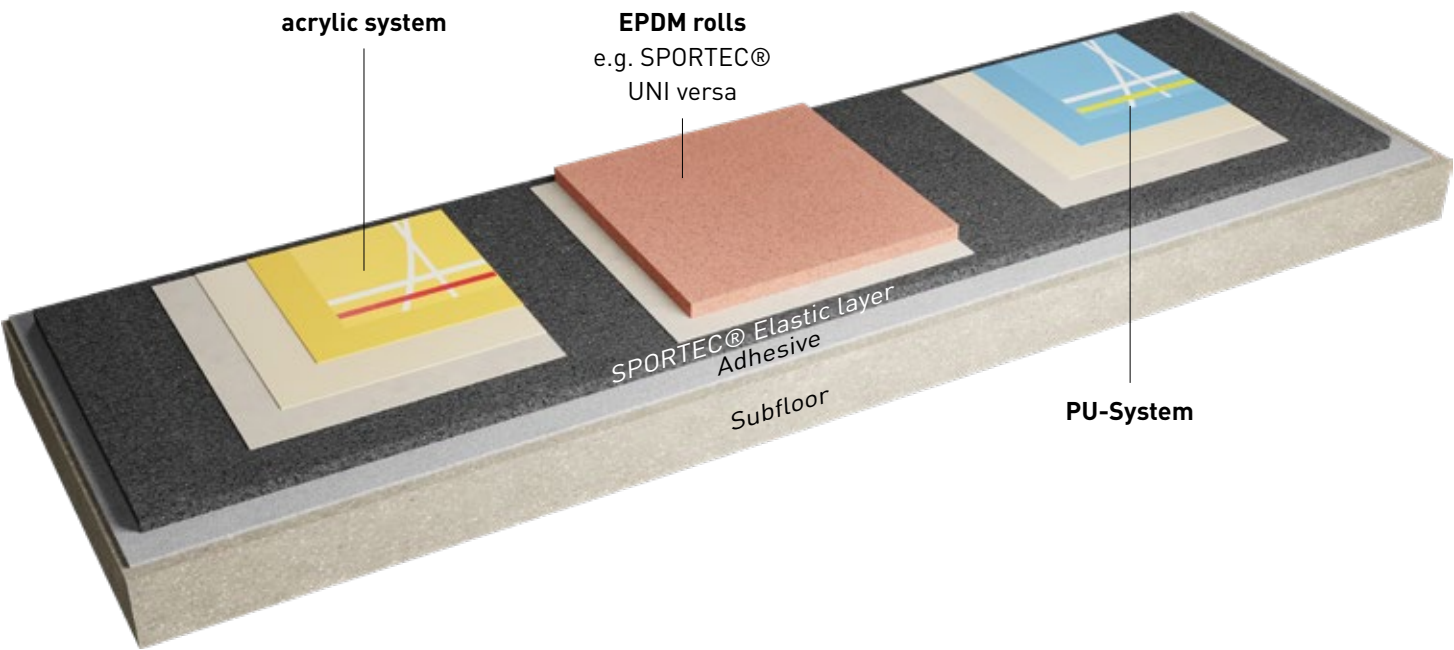
- **EPDM rolls:** usually SPORTEC standard 2.0 (4-10mm thickness)
- **Wood:** usually SPORTEC supercell DC 3 or SPORTEC team cup as sheets or shock pads (10 or 15 mm thickness)
- **PVC/vinyl/linoleum:** PVC/vinyl/linoleum: usually SPORTEC supercell DC 3 to prevent plasticiser migration (6-10mm thickness)

More details regarding which elastic layer fits which system can be found on page 28.

Please contact your SPORTEC partner for more details.



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



Our recommendations for multi-purpose outdoor sports areas:

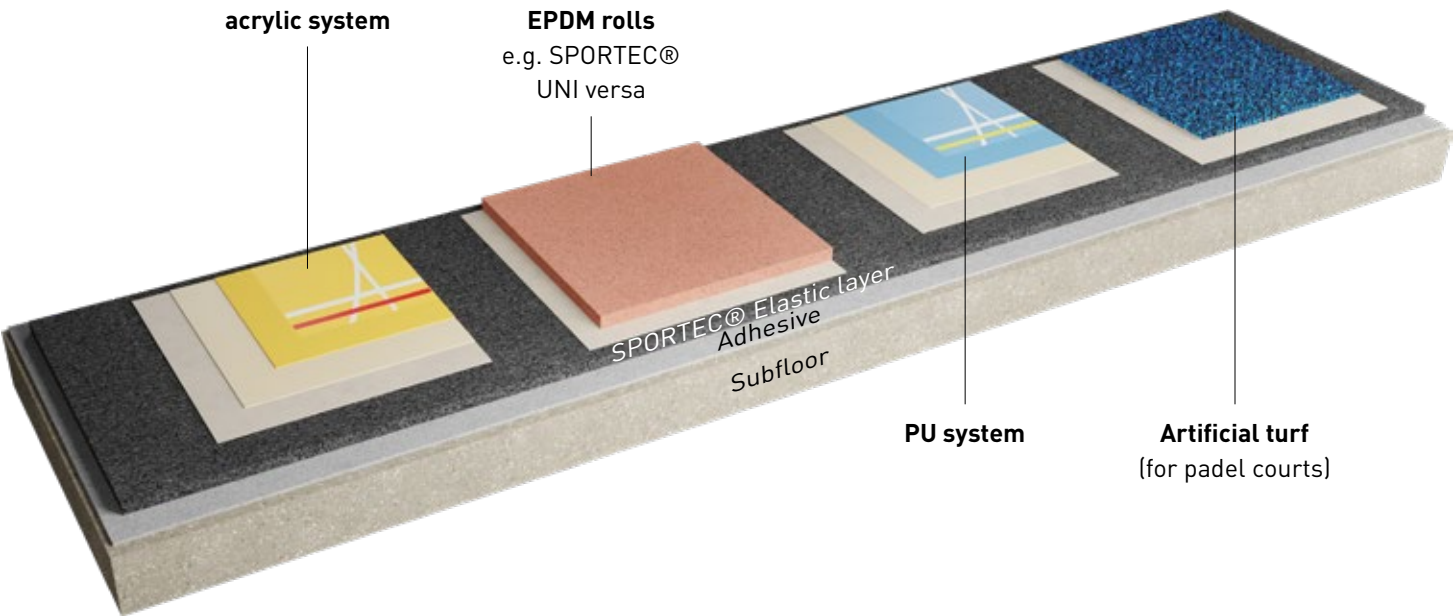
	standard 2.0	standard LD	trend	premium	supercell	team cup	team cup X	black sprint	shockwave 3D
multipurpose sports areas for acrylic and PU	4 mm								
multipurpose sports areas for EPDM rolls	4 mm								
sports areas for EPDM rolls according to EN 14877		9 mm							





TENNIS, PADEL & PICKLEBALL

ACRYLIC, PU, EPDM ROLLS & ARTIFICIAL TURF



Our recommendations for tennis courts:

	standard 2.0	standard LD	trend	premium	supercell	team cup	team cup X	black sprint	shockwave 3D
tennis courts for acrylic	4 mm								
tennis courts for PU	4 mm								
tennis courts for EPDM rolls	4 mm								

Our recommendations for padel courts:

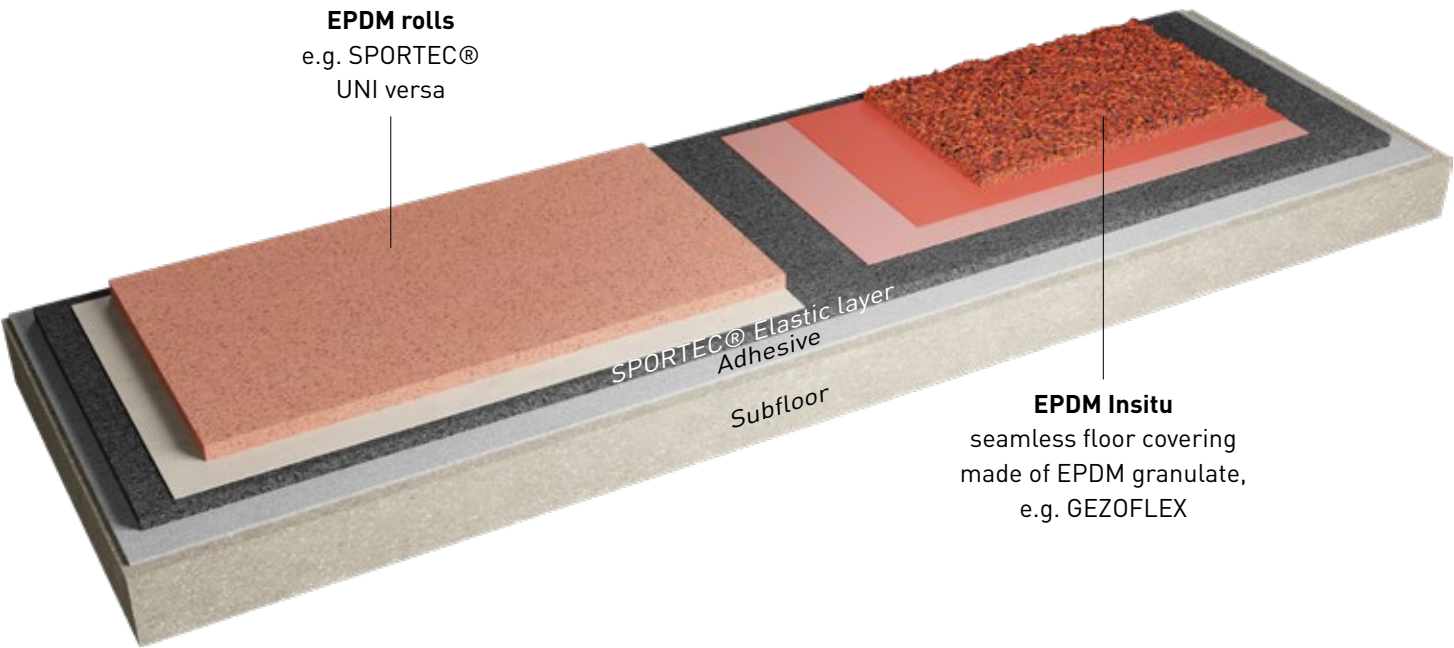
	standard 2.0	standard LD	trend	premium	supercell	team cup	team cup X	black sprint	shockwave 3D
Padel courts with artificial grass	5 mm								





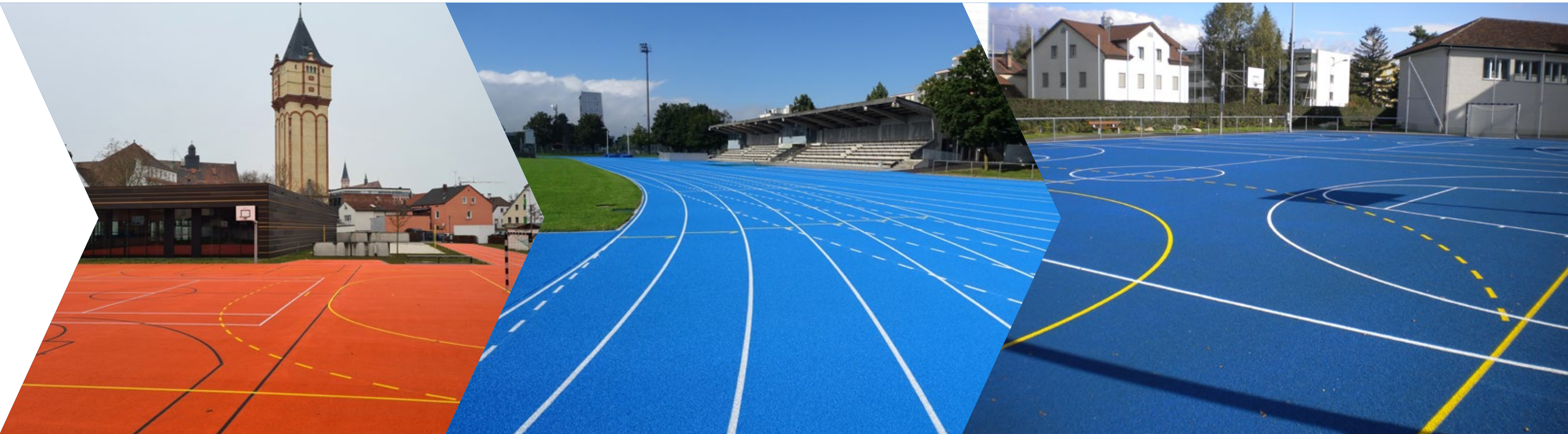
ATHLETICS TRACKS

EPDM INSITU, EPDM ROLLS



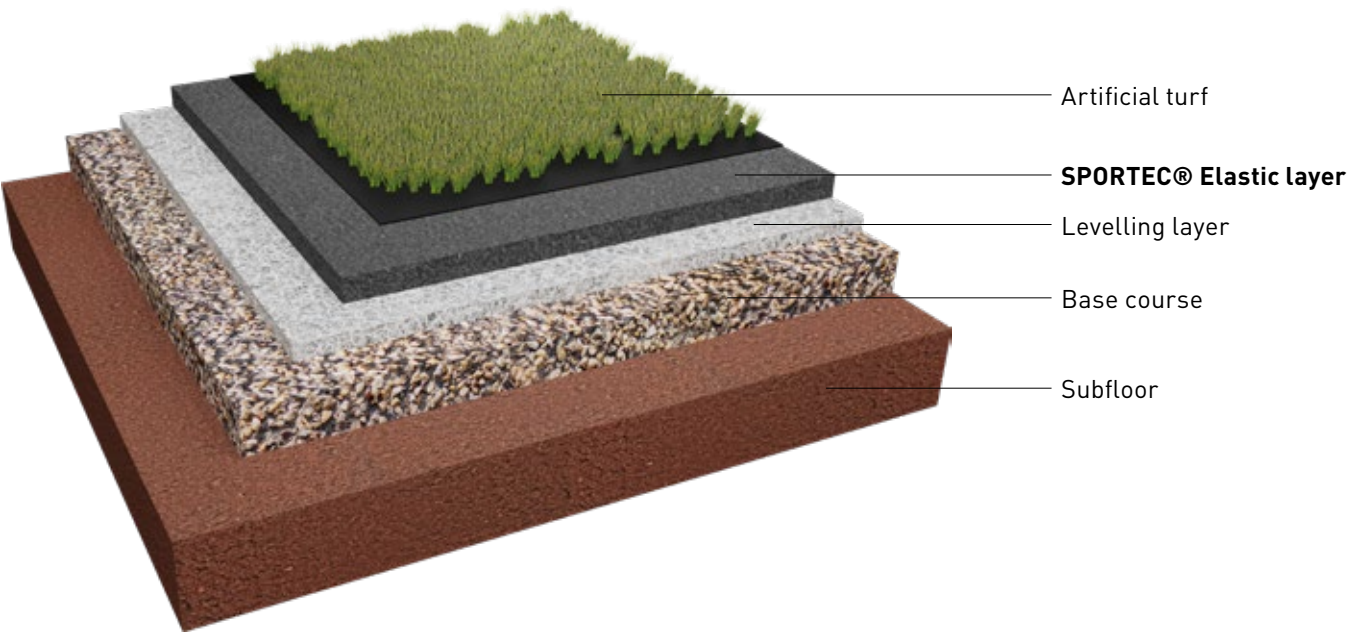
Our recommendations for tracks:

	standard 2.0	standard LD	trend	premium	supercell	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	





FIELD SPORTS ARTIFICIAL TURF



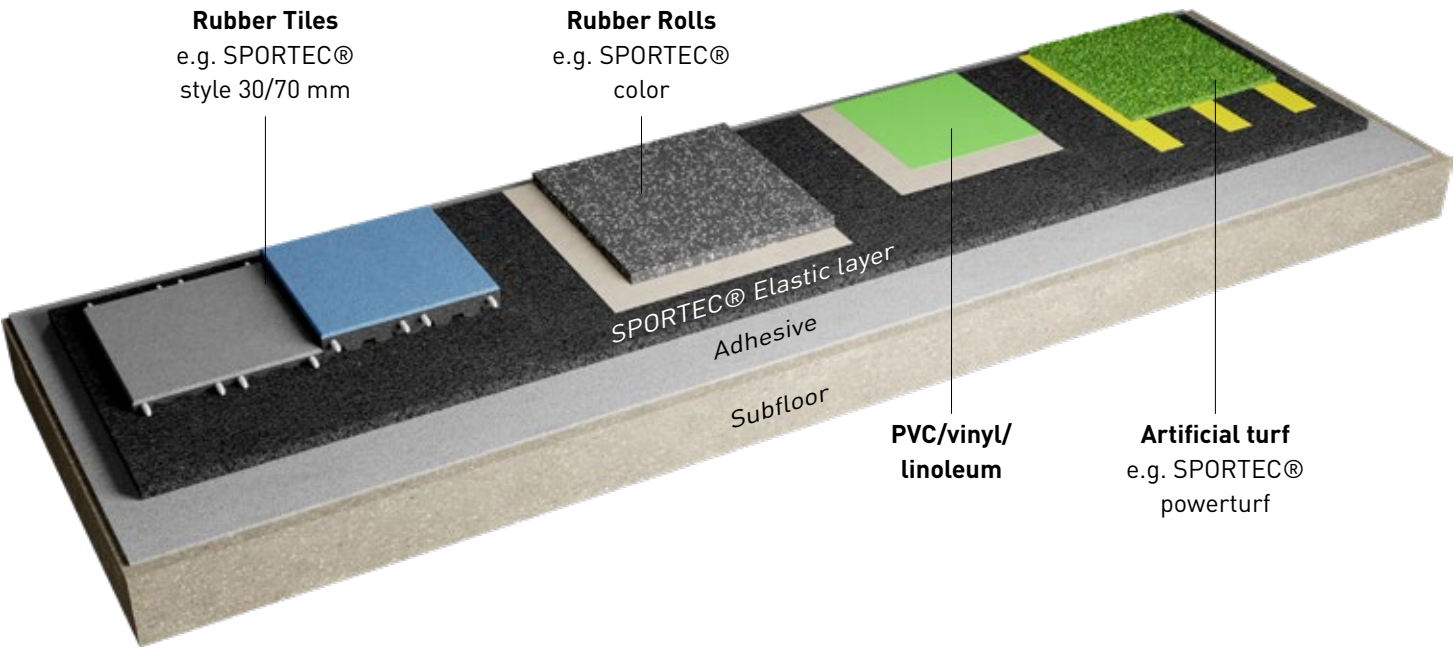
Our recommendations for field sports:

	standard 2.0	standard LD	trend	premium	supercell	team cup	team cup X	black sprint	shockwave 3D
Soccer						10 mm			
Hockey		10 mm							
Rugby						15 mm			
Gardening	10 mm								





FITNESS RUBBER TILES & ROLLS



Our recommendations for fitness:

	standard 2.0	standard LD	trend	premium	supercell	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						from 10 mm		
SPORTEC® powerturf	10 mm						10 mm		
PVC, vinyl, linoleum									



Installation on asphalt or concrete

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.



Which Elastic layer is suitable for which floor covering?

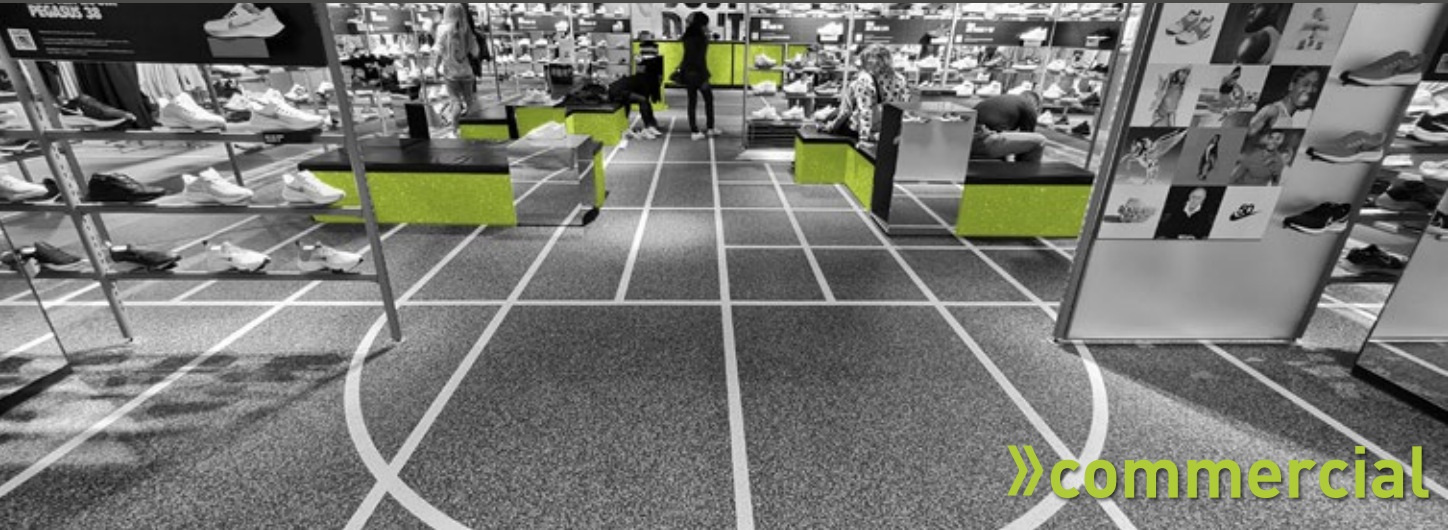
	standard 2.0	standard LD	trend	premium	supercell	team cup	team cup X	black sprint	shockwave 3D
									
for Indoor	✓	✓	✓	✓	✓	✓	✓	✓	✓
for Outdoor	✓	✓				✓		✓	
SPORTEC® rolls	✓	✓	✓	✓		✓	✓		
SPORTEC® tiles	✓	✓	✓	✓	✓	✓	✓		✓
EPDM - Insitu	✓	✓						✓	
PU	✓	✓	✓	✓					
Acrylic	✓	✓	✓	✓					
Artificial turf	✓	✓			✓	✓	✓		
Linoleum	✓	✓	✓	✓					
PVC	✓*	✓*	✓*	✓*					
Vinyl	✓*	✓*							

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

✓ bestseller

Other SPORTEC® applications

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





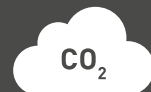
SUSTAINABILITY

Corporate Carbon Footprint, Product Carbon Footprint, Energy Management, Social and 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 and rubber production scrap.



Reduction of CO₂ 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 audited.



Product Carbon Footprint

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



Energy management according to ISO 50001

Our energy management system is identified according to ISO 50001. Energy-relevant topics are taken into account in all processes of the organisation.

ecovadis

Voluntary rating

The ecovadis rating is an evaluation of companies with regard to CSR topics. This includes ethical aspects, sustainable procurement, the environment and ecological sustainability.



Member of NEW LIFE initiative

The declared aim of NEW LIFE is to demonstrate the advantages of recycled products from End-of-Life Tyres (ELT) to the media, politicians and the general public and to motivate them to act sustainably. More information: www.initiative-new-life.de/en



Social sustainability

Acting in accordance with our values such as equal opportunities, social responsibility, respectful treatment and transparency are the foundations for social sustainability in practice.



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.



CORPORATE CULTURE

Defined values, social norms and guidelines, for common action and cooperation inside and outside KRAIBURG Relastec.



Equal opportunities

We stand for equal opportunity, diversity, inclusion and religious diversity.



Social responsibility

Fair pay, collective bargaining, further training, career development, work-life integration.



Respect

We are honest, reliable, respectful and trustworthy towards our colleagues and partners.



Strong decision-making powers

We ensure speed in process handling, faster technology optimisations and lean processes.



Responsible for our actions

We take responsibility for all decisions and results. Error acceptance is firmly anchored in our culture.



Transparency

We practice open, transparent cooperation both 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.



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.

» **MORE FROM YOUR FLOOR**

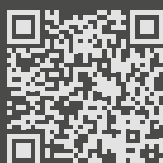


Sports flooring and elastic layers
made from rubber granules

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