

PROTECTION FOR INDOOR & OUTDOOR SHOOTING RANGES

SPORTEC® shooting product range



ABOUT KRAIBURG RELASTEC AND SPORTEC®

HIGH-QUALITY PRODUCTS MADE FROM RUBBER GRANULES



KRAIBURG Relastec GmbH & Co. KG is an independent enterprise in the KRAIBURG-Holding (ca. 2300 employees, 540 Mio. € turnover). Every year, approximately 170,000 tons of raw material are processed into high-tech products.

We supply the international market with ready-to-install products for acoustic and vibration insulation (DAMTEC®), impact protection (EUROFLEX®), structural protection and transport protection (KRAITEC®), sports floor coverings and elastic layers (SPORTEC®) as well as flooring systems for horse farms and riding facilities (KOMFORTEX®).



SPORTEC® rubber flooring products and elastic layers from KRAIBURG Relastec GmbH & Co. KG are proven products refined by continuous further development. A wide range of users – including system providers, specialist distributors, architects and builders of sports facilities – benefit from the advantages they provide.

Available in a variety of attractive colours, the SPORTEC® shooting product range allows for personalized floor, wall and ceiling design. The Shooting slabs have been tried and tested by the Beschussamt Munich and can absorb dangerous projectiles and rebounds from pistol and rifle firearms upto 7000 Joules.

Suitable for use indoors and outdoors, at private shooting clubs, military and police installations and security force training grounds, the SPORTEC® Shooting product range also has a flooring option with Bfl-s1 fire classification. This seamless surface solution enables the floor to resist any gunpowder residues and makes the floor lead dust protected, helping to keep a potentially dangerous environment extremely well protected.

The material's remarkable elasticity makes bullet holes practically invisible after absorption and also helps contribute to a quieter environment by damping noise and absorbing muzzle blast waves in the firing range. Equally, It's robustness makes SPORTEC® Shooting the ideal long-term solution.





» **MORE FROM YOUR FLOOR**

- » more prevention of bullet ricochet from walls, ceiling and floor
- » more safety due to fire resistant system
- » more protection from muzzle blast and noise
- » more easy cleaning of potentially hazardous residues
- » more resistance & long-term durability



SPORTEC® shooting & shooting pro

SAFETY AND PROTECTION FOR SHOOTING RANGES

Specifically designed as a projectile-absorbing surfacing material, **SPORTEC® shooting** provides protection over floors, walls and ceilings of indoor shooting ranges and nearby outdoor facilities. **SPORTEC® shooting** reliably absorbs dangerous ricochets and rebounds as documented by independent test reports. The material's remarkable elasticity makes bullet holes practically invisible after absorption. **SPORTEC® shooting** slabs installed on floors could be covered. It provides a seamless surface which can be easily cleaned of gunpowder deposits. On walls and ceilings this coating is normally not required.

Technical data

Material	Recycling tyre rubber granules bonded with polyurethane elastomer
Thickness	40 mm (shooting), 45 mm (shooting pro) (± 2 mm)
Dimensions	500 x 500 mm / 1.000 x 500 mm (± 0.8 %)
Colours	red (black, grey and green on request)
Area weight	ca. 27 kg/m ² (shooting), ca. 39.2 kg/m ² (shooting pro)
Tensile strength	min. 0.75 N/mm ² (shooting) min. 1.81 N/mm ² (shooting pro) (EN ISO 1798)
Elongation at break	min. 50% (shooting), min. 101% (shooting pro) (EN ISO 1798)
Temperature range	- 30°C to + 80 °C
Fire resistance	E _{fl} (B2) (DIN EN 13501-1); B _{f1} -s1 (B1) (DIN EN 13501-1)



When using **SPORTEC® shooting** as floor covering, we recommend a polyurethane coated sealing after installation. In this case, **SPORTEC® shooting** can meet the requirements of fire resistance class Bfl-s1 (according to EN 13501-1).

Properties

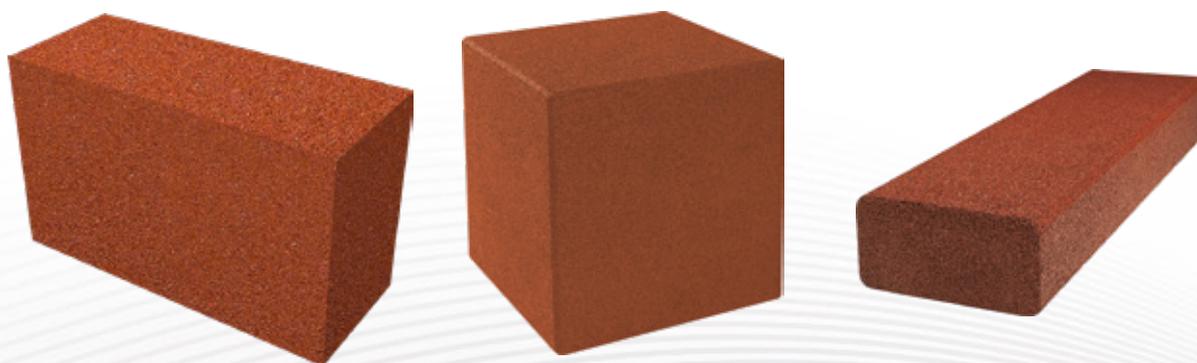
- prevention of bullet rebound from walls, ceiling and floor
- absorption of projectile ricochets
- rubber slabs with integrated connector pins
- certified by Beschussamt München (Shooting: B-31/2009, Shooting pro: 15M066A01)
- resistant, durable and abrasion resistant surface
- easy installation also on walls



SPORTEC® shooting blocks

PROJECTILE ABSORBING MATERIALS

Specifically designed as a projectile-absorbing surfacing material, **SPORTEC® shooting blocks** provides protection at targets of indoor shooting ranges and nearby outdoor facilities. **SPORTEC® shooting blocks** reliably absorbs dangerous ricochets and rebounds.



Technical data

	SPORTEC® shooting block	SPORTEC® shooting cube	SPORTEC® shooting step block
Material	Recycling tyre rubber granules bonded with polyurethane elastomer		
Colour	red (black and green available on request)		
Fire resistance	E _{fl} (B2) (DIN EN 13501-1)		
Temperature range	- 30°C to + 80 °C		
Dimensions (length x width x height)	500 x 300 x 200 mm (± 0.8 %) 250 x 300 x 200 mm (± 0.8 %)	400 x 400 x 400 mm (± 0.8 %)	1,000 x 300 x 150 mm (± 0.8 %) 1,000 x 240 x 120 mm (± 0.8 %)
Weight	ca. 25.5 kg (500 x 300 x 200 mm) ca. 12.75 kg (250 x 300 x 200 mm)	ca. 50.0 kg	ca. 33.0 kg (1,000 x 300 x 150 mm) ca. 29.0 kg (1,000 x 240 x 120 mm)



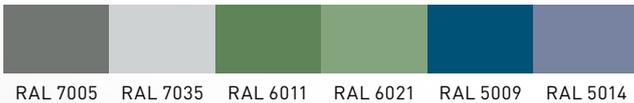
SPORTEC® SFR

PU COATING FOR SHOOTING RANGE FLOORING

SPORTEC® SFR is a PU based coating which is applied on top of SPORTEC® shooting or SPORTEC® shooting pro slabs in order to create a safe, seamless and fireproof surface for shooting ranges. This flooring system provides the best possible prevention of bullet rebound or ricochet from floors whilst also enabling any gunpowder residues to be removed easily from the surface without any risk of it burning or causing damage. **SPORTEC® SFR** comes with a superior fire resistance class of Bfl-s1, fulfilling German technical approval conditions and is available in 6 different colours so it can suit any design of shooting range, whether military or police ranges, security force training areas or private clubs. The **SPORTEC® SFR** system perfectly complements the rest of the SPORTEC® shooting product range which includes anti-ricochet tiles for walls and ceilings and bullet trap rubber blocks.

3rd layer: SPORTEC® SFR finisher 3

Available colours



2nd layer: SPORTEC® SFR protector 2

1st layer: SPORTEC® SFR sealer 1

SPORTEC® shooting slab

Material	Colored, two-component polyurethane coating
Consumption	approx. 150 g/m ² by applying on SPORTEC® SFR protector
Recoatable (20 °C)	after approx. 16 hours and a maximum within 48h
Packaging	Set of 10 kg: mixing ratio of Resin Base : Hardener = 825 : 175

Material	Solvent-free, two-component polyurethane coating
Consumption	approx. 2600 g/m ² by applying on SPORTEC® SFR sealer
Recoatable (20 °C)	after approx. 16 hours and a maximum within 48h
Packaging	Set of 25 kg: mixing ratio of Resin Base : Hardener = 760 : 240

Material	Solvent-free two-component polyurethane pore-sealer
Consumption	approx. 1200 g/m ² (shooting) or approx. 800 g/m ² (shooting pro)
Recoatable (20 °C)	after approx. 16 hours and a maximum within 48h
Packaging	Set of 25 kg: mixing ratio of Resin Base : Hardener = 800 : 200

see page 4



SPORTEC® fragmentation rubber sheets

PROTECTIVE CURTAIN TO STOP STRAY BULLET FRAGMENTS

SPORTEC® fragmentation rubber sheets are used as bullet catch curtains in shooting ranges to absorb ricochets or bullet parts. They are delivered in rolls and can be cut to size on site so that they fit all types of shooting ranges and tactical courses both indoor and outdoor.

Technical Data

Material	high-grade recycled rubber granules, PU-elastomer bonded
Thickness	8, 9, 10 mm (± 0.3 mm)
Roll width	1,500 mm (± 1.5 % mm)
Length	length [m] (± 1.5 %) / thickness [mm]: 40/8, 35/9, 32/10
Colour	multi-coloured
Tensile strength	approx. 0.8 N/mm ² [EN ISO 1798]
Elongation at break	approx. 125% [EN ISO 1798]





ENVIRONMENTAL MANAGEMENT AT KRAIBURG RELASTEC

FROM OLD TYRES TO TOP-QUALITY FINISHED PRODUCTS

KRAIBURG Relastec is one of the best known global companies that specialise in the production of technical rubber materials from old tyres. As a recycling specialist, we have for many years been committed to the protection of the environment. Every year, we process and recycle about 85,000 tons of old tyres, closed-cell rubber and rubber production scrap. From these raw materials, we produce high-quality granules based on our internally developed formulations. These granules make up more than 90 % of the material used in our finished products. All our products are 100 % recyclable without loss of quality.

At **KRAIBURG Relastec**, protecting the environment is a strategic priority. We are convinced that sustainable growth is only achievable, if we meet our responsibilities towards the environment. **KRAIBURG Relastec** has therefore adopted a very simple policy: Protecting the environment is part and parcel of what we do every day!

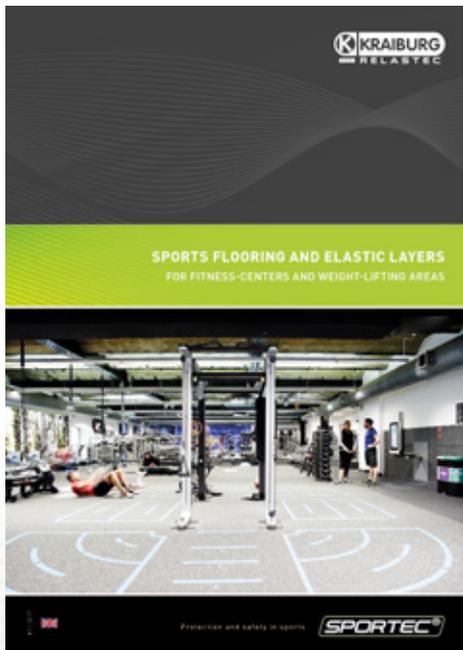
Our “pro environment” logo stands not only for 40 years of sustainable business practices that protect resources, but emphasises our commitment to product quality and continuous improvement for the protection of the environment beyond the statutory regulations.



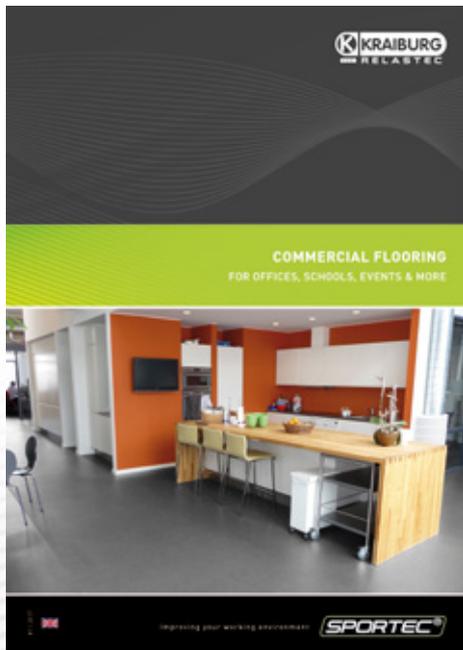
-  We turn waste rubber materials into new raw materials and products, making a valuable contribution to waste reduction and the protection of the environment.
-  We invest in innovative and environmentally friendly production methods and technologies.
-  Our products are subject to continuous quality testing and further development, whereby environmental concerns are given priority. We are always on the lookout for even more environmentally friendly alternatives that enable us to further reduce emissions and protect resources.
-  All employees of KRAIBURG Relastec undertake to implement sustainable practices in their daily work and to protect the environment wherever they can.
-  We expect the same from our suppliers and constantly monitor their performance.



ADDITIONAL SPORTEC® BROCHURES
 FITNESS CENTERS, COMMERCIAL FLOORING, ETC



SPORTEC® brochure
 Sports flooring and elastic layers for fitness centres and weight-lifting areas



SPORTEC® brochure
 Commercial flooring for offices, shops, exhibitions, hotels, schools, nurseries and rehabilitation Centres



SPORTEC® reference brochure
 Sports flooring and elastic layers for multi-purpose areas and other sporting applications



For detailed information such as data sheets, installation instructions, digital versions of our SPORTEC® brochures and further reference pictures please visit www.kraiburg-relastec.com/sportec/en



SPORTS FLOORING AND ELASTIC LAYERS
made from rubber granules

KRAIBURG Relastec GmbH & Co.KG
Fuchsberger Straße 4 · D-29410 Salzwedel

Sales International:

Tel. +49 (0) 8683 701 -340

Fax +49 (0) 8683 701 -4340

sportec@kraiburg-relastec.com

www.sportec-flooring.com

No liability accepted for errors or omissions. Subject to changes without prior notice.
© KRAIBURG Relastec GmbH & Co. KG 2018

