

» gymcoustic

**OUTSTANDING ACOUSTIC INSULATION AND SHOCK ABSORPTION
FOR FITNESS CENTRES AND FREE-WEIGHT AREAS**



SPORTEC®


A photograph of a man in a gym performing a deadlift. He is wearing a dark hoodie and pants, and is lifting a barbell with weights. The gym is filled with various exercise machines in the background. The entire image has a green color overlay. The text is centered over the image.

**SOLUTIONS FOR
ACOUSTIC INSULATION
AND SHOCK ABSORPTION
IN FITNESS CENTRES**

Acoustic problems in gyms are a big problem, but avoiding them can be easy. Our Gymcoustic systems are finishing floor solutions offering increasingly high performances and are all applied directly on top of the existing, load-bearing and form-stable subfloors, e.g. concrete, cement bonded screed, meaning they are ideal for renovations and can also be used in new-builds. As well as their technical performance, they respond to the practical challenge of maintaining athletes stability underfoot ensuring that both the gym and its members benefit.

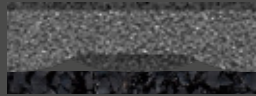


Basic Line




$\Delta L_w \geq 25 \text{ dB}$

All-round Line



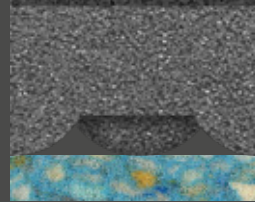
$\Delta L_w \geq 30 \text{ dB}$

Acoustic Line




$\Delta L_w \geq 34 \text{ dB}$

Performance Line



$\Delta L_w \geq 42 \text{ dB}$



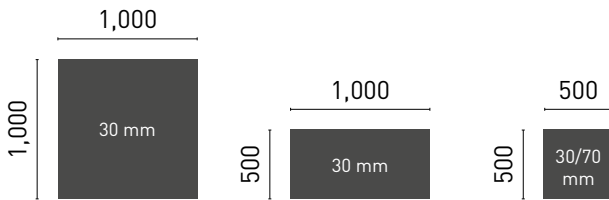
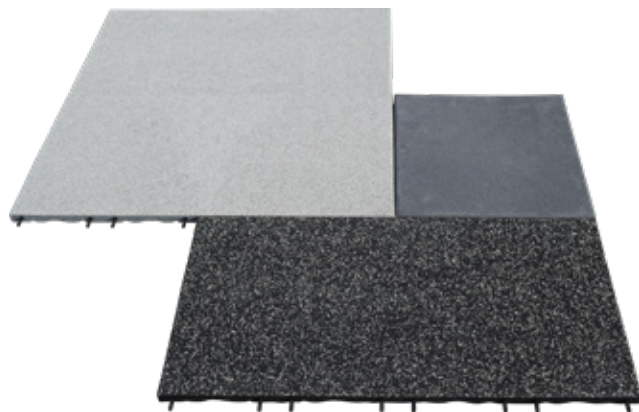
SPORTEC® PRODUCTS IN USE

Surfaces

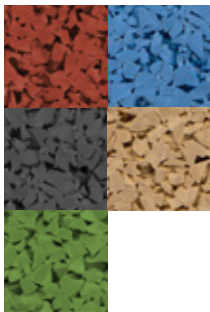
SPORTEC® style

SPORTEC® base

Whether you prefer a smooth finish or a granular structure to your tiles, both are possible with the SPORTEC® style and SPORTEC® base tiles. Available in 3 dimensions, SPORTEC® style comes with a multitude of colour finish possibilities which include options with a higher fire resistance classification of C_{fl-s1} . SPORTEC® base tiles can also offer a C_{fl-s1} option and is available in a black or grey granular finish.



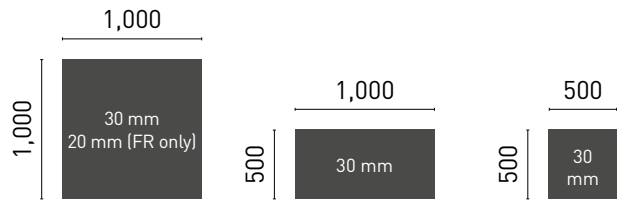
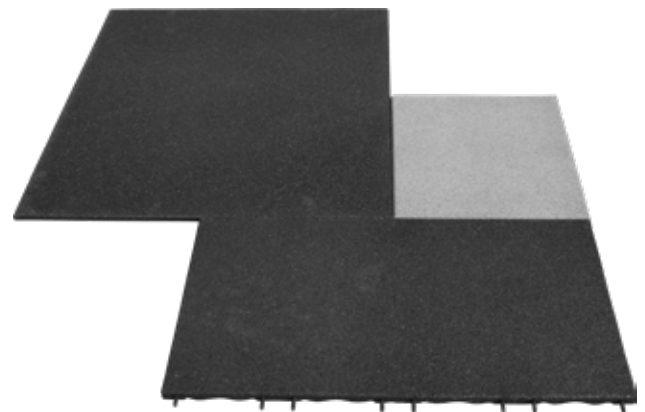
surfaces
SPORTEC® UNI versa



surfaces
SPORTEC® purcolor



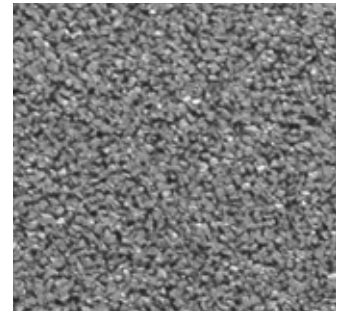
surfaces
SPORTEC® color 15



black



grey



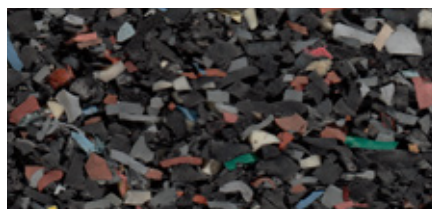
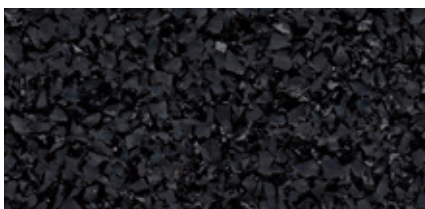
Elastic layers

SPORTEC® team cup X

SPORTEC® shockwave 3D

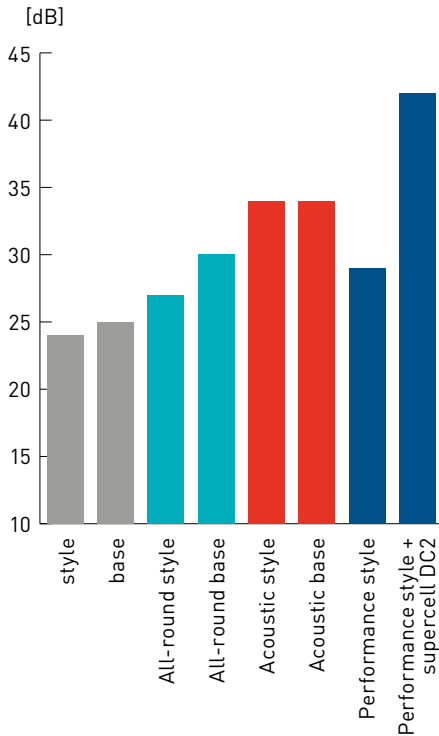
SPORTEC® supercell DC 2

SPORTEC® elastic layers come in various densities thicknesses and compositions – each with its own unique benefits when used as part of the Gymcoustic system.



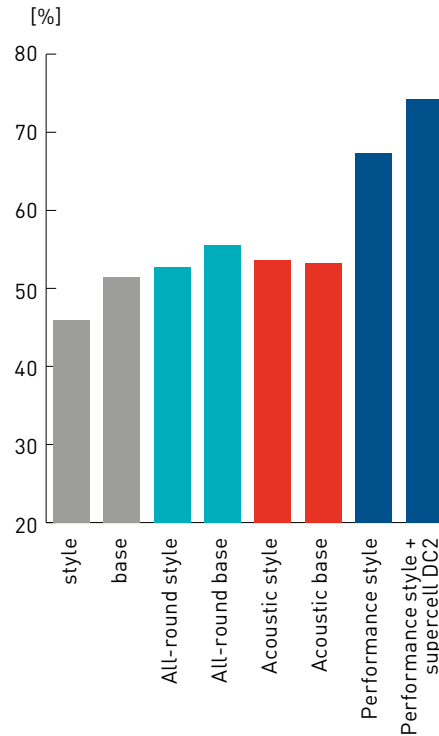
Impact sound improvement ΔL_w (DIN EN ISO 10140-3)

The impact sound improvement value ΔL_w indicates by how many dB the impact sound insulation is improved by the floor covering compared to the raw ceiling (no floor covering).



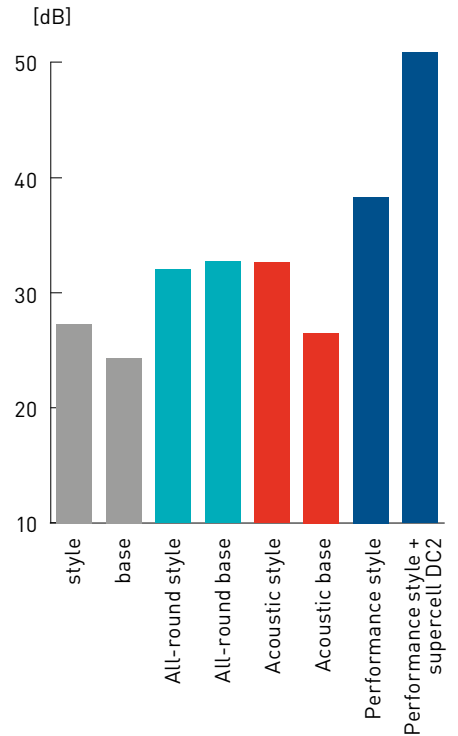
Shock absorption (DIN EN 14808)

The shock absorption value describes the ability of a floor covering to reduce the force applied by an object when falling. The reference is a rigid floor (concrete floor).



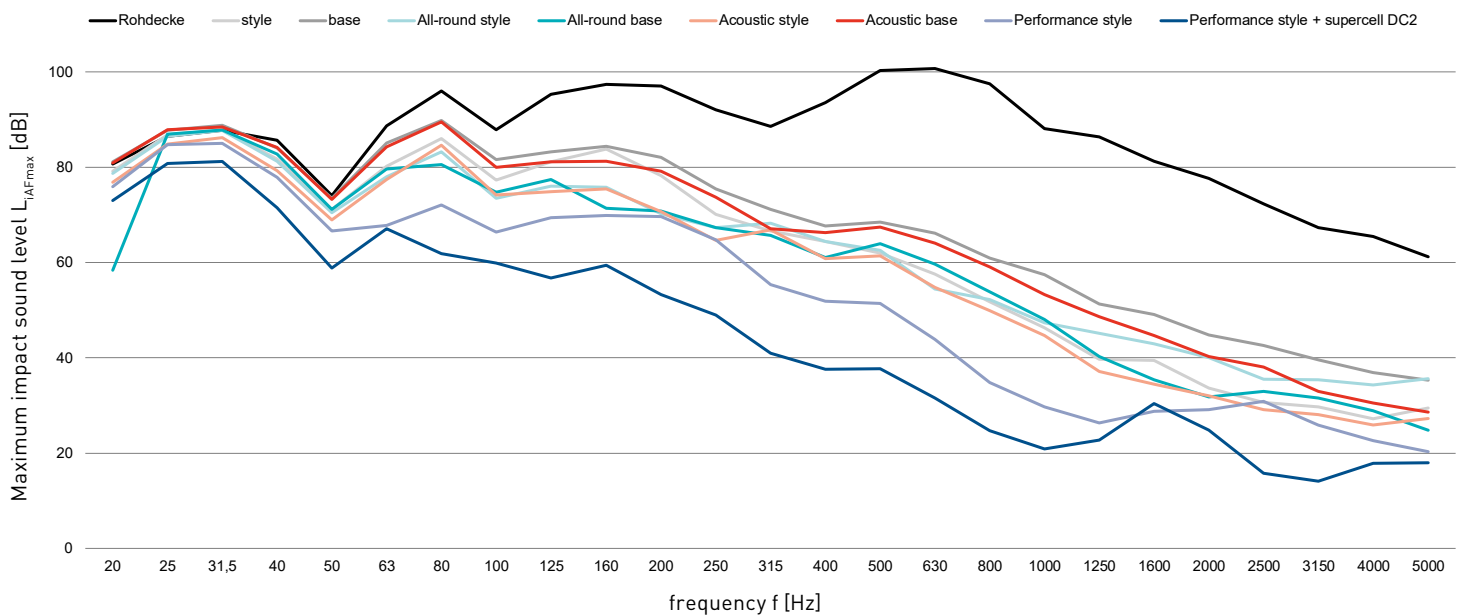
ΔL_{iAFmax} 50 kg, 0.5m (in acc. with DIN EN ISO 10140-3)

The ΔL_{iAFmax} value indicates the improvement of the highest level of the impact vibration compared to the raw ceiling (no floor covering).



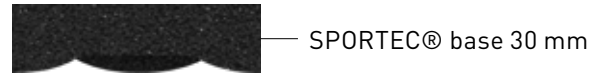
Acoustic performance of the individual systems

Dropping a 50 kg dumbbell from a height of 0.50 m



Gymcoustic – system overview

Gymcoustic Basic Line



Impact sound improvement
24 dB

Shock absorption
46.0 %

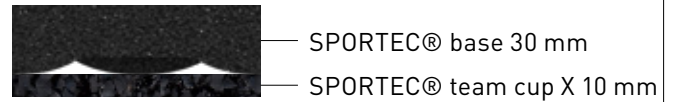
ΔL_{iAFmax} 50 kg
27.2

Impact sound improvement
25 dB

Shock absorption
51.4 %

ΔL_{iAFmax} 50 kg
24.3

Gymcoustic All-round Line



Impact sound improvement
27 dB

Shock absorption
52.7 %

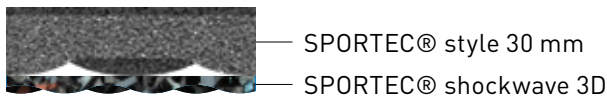
ΔL_{iAFmax} 50 kg
31.9

Impact sound improvement
30 dB

Shock absorption
55.6 %

ΔL_{iAFmax} 50 kg
32.6

Gymcoustic Acoustic Line



Impact sound improvement
34 dB

Shock absorption
53.6 %

ΔL_{iAFmax} 50 kg
32.5

Impact sound improvement
34 dB

Shock absorption
53.2 %

ΔL_{iAFmax} 50 kg
26.4

Performance Line

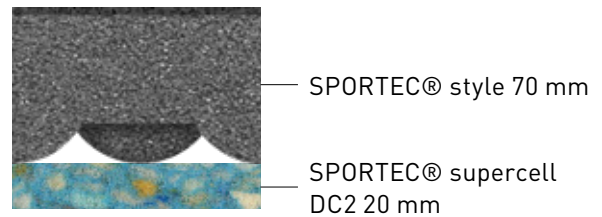


Impact sound improvement
29 dB

Shock absorption
67.3 %

ΔL_{iAFmax} 50 kg
38.2


Performance Line



Impact sound improvement
42 dB

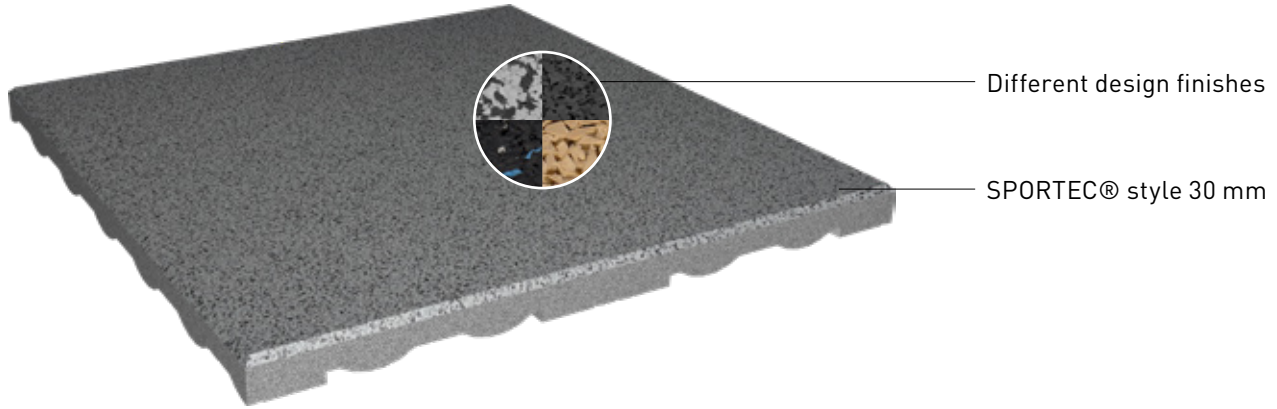
Shock absorption
74.3 %

ΔL_{iAFmax} 50 kg
50.7



BASIC LINE
STAND-ALONE TILES
WITH DIFFERENT
DESIGN POSSIBILITIES

Gymcoustic Basic Line



Impact sound improvement
24 dB



Shock absorption
46.0 %



ΔL_{iAFmax} 50 kg
27.2

Gymcoustic Basic Line



Impact sound improvement
25 dB




Shock absorption
51.4 %



ΔL_{iAFmax} 50 kg
24.3

All of our Gymcoustic systems use either our SPORTEC® style or SPORTEC® base tile as the finish layer and the **Basic Line** offers each of these as a stand-alone solution. Quick and easy to install for all areas of the gym where weights are used and available in various colour finishes, these tiles on their own offer acoustic properties of up to 25dB sound reduction.

We will be happy to advise you! Find your contact person on
www.kraiburg-relastec.com/sportec/en/contact-persons



ALL-ROUND LINE
ACOUSTIC INSULATION
AND SHOCK
ABSORPTION

MANUFACTURING A FITNESS EQUIPMENT COMPANY

The Early Years



The Logo



The First

Product

Line

of

Products

in

the

World

Today

we

are

the

leader

in

the

market

and

we

are

committed

to

provide

the

best

quality

and

value

for

our

customers

and

to

ensure

that

we

are

always

at

the

forefront

of

innovation

and

excellence

in

fitness

equipment

manufacturing

and

we

are

committed

to

provide

the

best

quality

and

value

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ensure

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we

are

always

at

the

forefront

BRAND DEVELOPMENT & GLOBALISM

Global Expansion



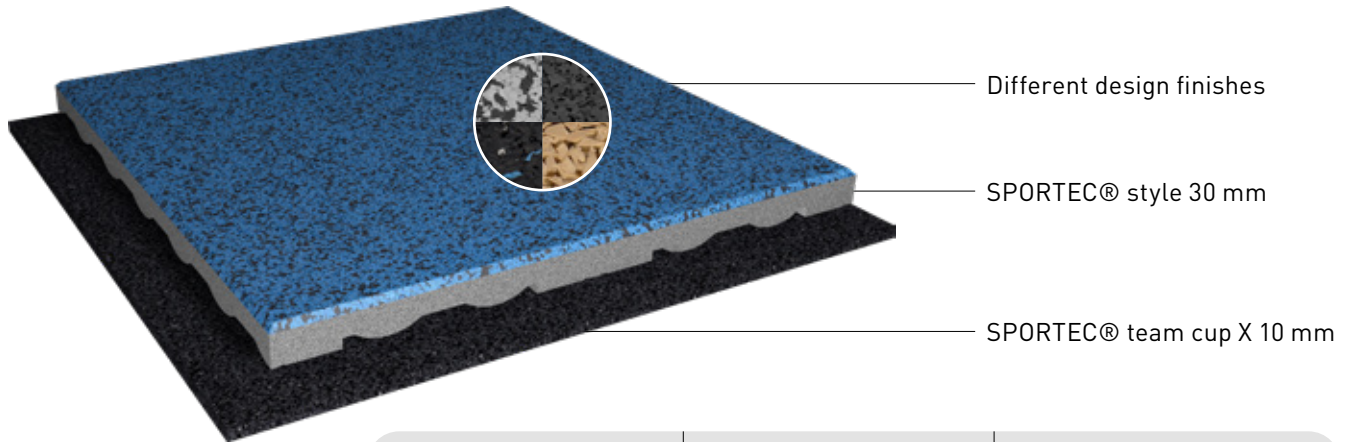
New Horizons



From Trek, a Vision



Gymcoustic All-round Line 



Different design finishes

SPORTEC® style 30 mm

SPORTEC® team cup X 10 mm



Impact sound improvement
27 dB



Shock absorption
52.7 %



ΔL_{iAFmax} 50 kg
31.9

Gymcoustic All-round Line 



SPORTEC® base 30 mm

SPORTEC® team cup X 10 mm



Impact sound improvement
30 dB



Shock absorption
55.6 %



ΔL_{iAFmax} 50 kg
32.6

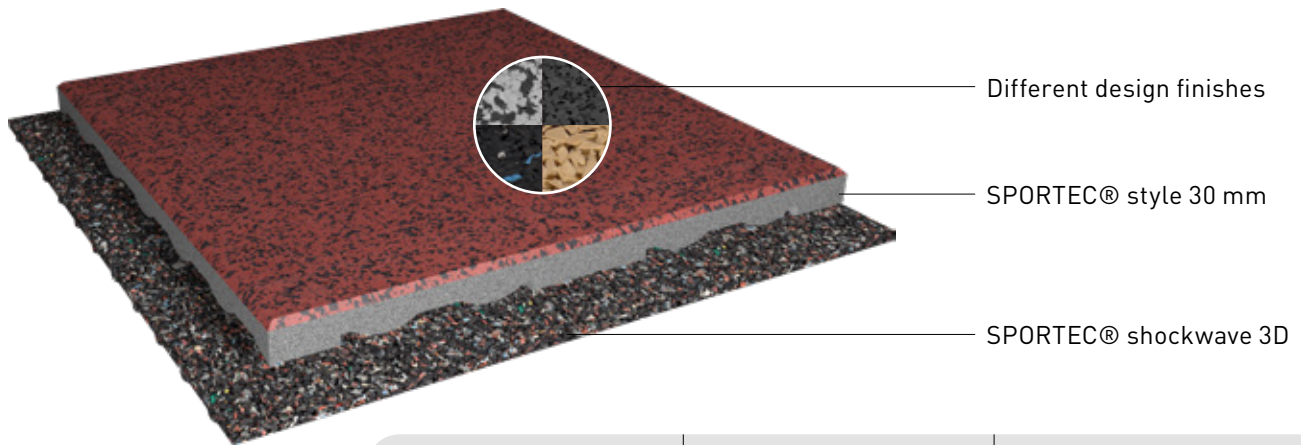
In free-weight and strength areas, extra shock and sound absorption is required, the **All-round Line** includes our SPORTEC® team cup X as an additional shock absorbing base layer. Economical and effective, the combination of different product densities improves acoustic and vibration reduction performance and provides additional protection for the sub-base.

We will be happy to advise you! Find your contact person on
www.kraiburg-relastec.com/sportec/en/contact-persons

A photograph of a gym interior, heavily tinted with a red color. The gym is filled with various exercise machines, including treadmills, weight racks, and benches. The ceiling is high with exposed beams and many small lights. The overall atmosphere is industrial and modern. The text is overlaid in the center of the image.

ACOUSTIC LINE
OUTSTANDING
ACOUSTIC INSULATION

Gymcoustic Acoustic Line 



Impact sound improvement
34 dB

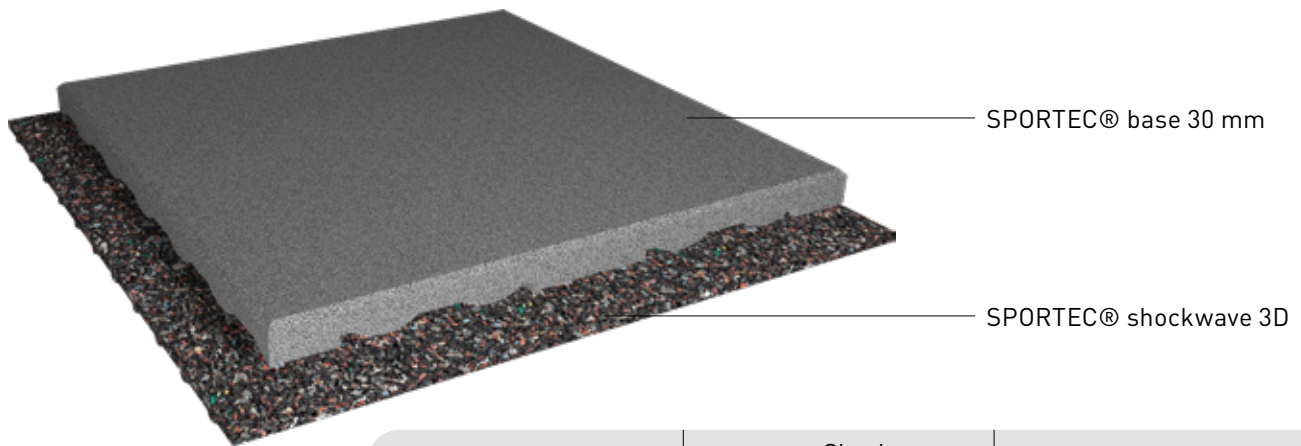


Shock absorption
53.6 %



ΔL_{iAFmax} 50 kg
32.5

Gymcoustic Acoustic Line 



Impact sound improvement
34 dB



Shock absorption
53.2 %



ΔL_{iAFmax} 50 kg
26.4

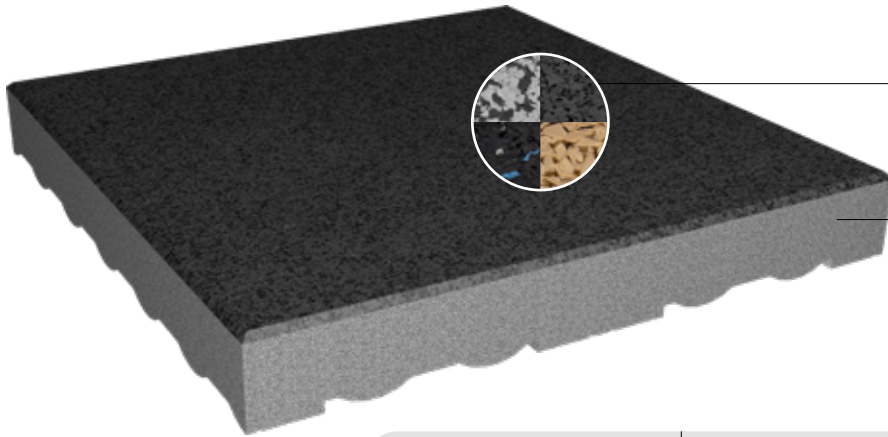
Especially designed for gyms that need to solve acoustic problems and avoid problems with their neighbours, the **Acoustic Line** includes our especially developed SPORTEC® shockwave 3D acoustic underlay. As well as reducing noise, these steady and supportive flooring systems enable members to push the limits of their heavy-weight workout in the knowledge that they are not wasting energy or risking safety.

We will be happy to advise you! Find your contact person on
www.kraiburg-relastec.com/sportec/en/contact-persons

A person is using a gym machine in a fitness studio. The studio is dimly lit with blue ambient lighting. In the background, there is a wall with the word 'ASZIENTRAINING' and a display of equipment. The floor is made of large, light-colored tiles. The overall atmosphere is modern and professional.

PERFORMANCE LINE
EXCEPTIONAL
SHOCK ABSORPTION

Gymcoustic Performance Line      



Different design finishes

SPORTEC® style 70 mm



Impact sound improvement
29 dB

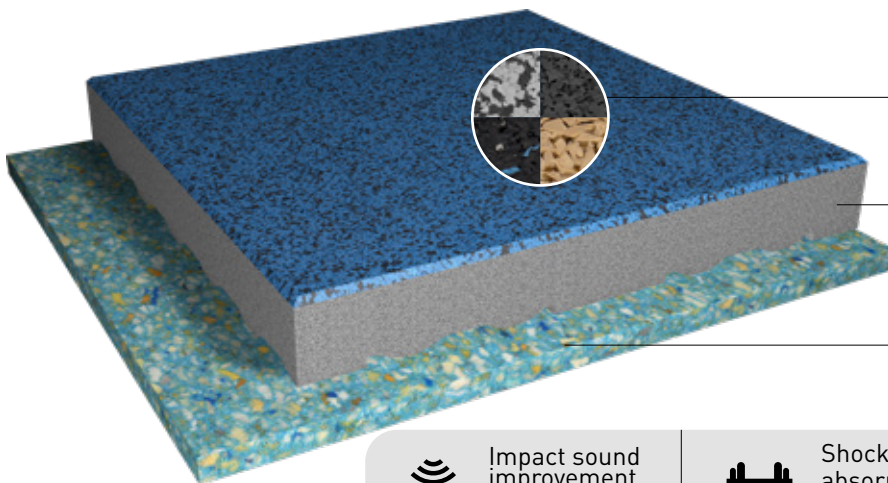


Shock absorption
67.3 %



ΔL_{iAFmax} 50 kg
38.2

Gymcoustic Performance Line      



Different design finishes

SPORTEC® style 70 mm

SPORTEC® supercell
DC 2 20 mm



Impact sound improvement
42 dB



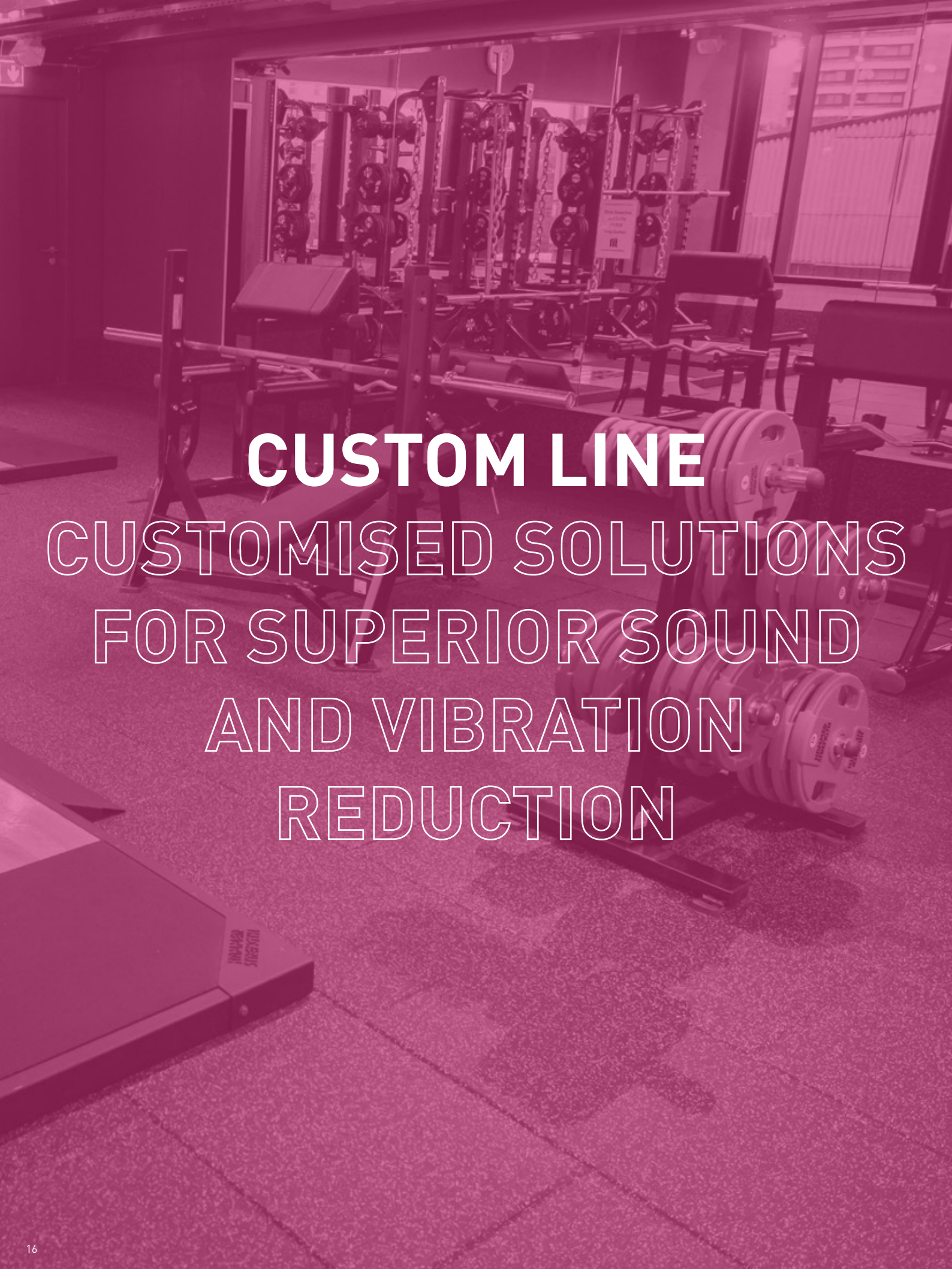
Shock absorption
74.3 %



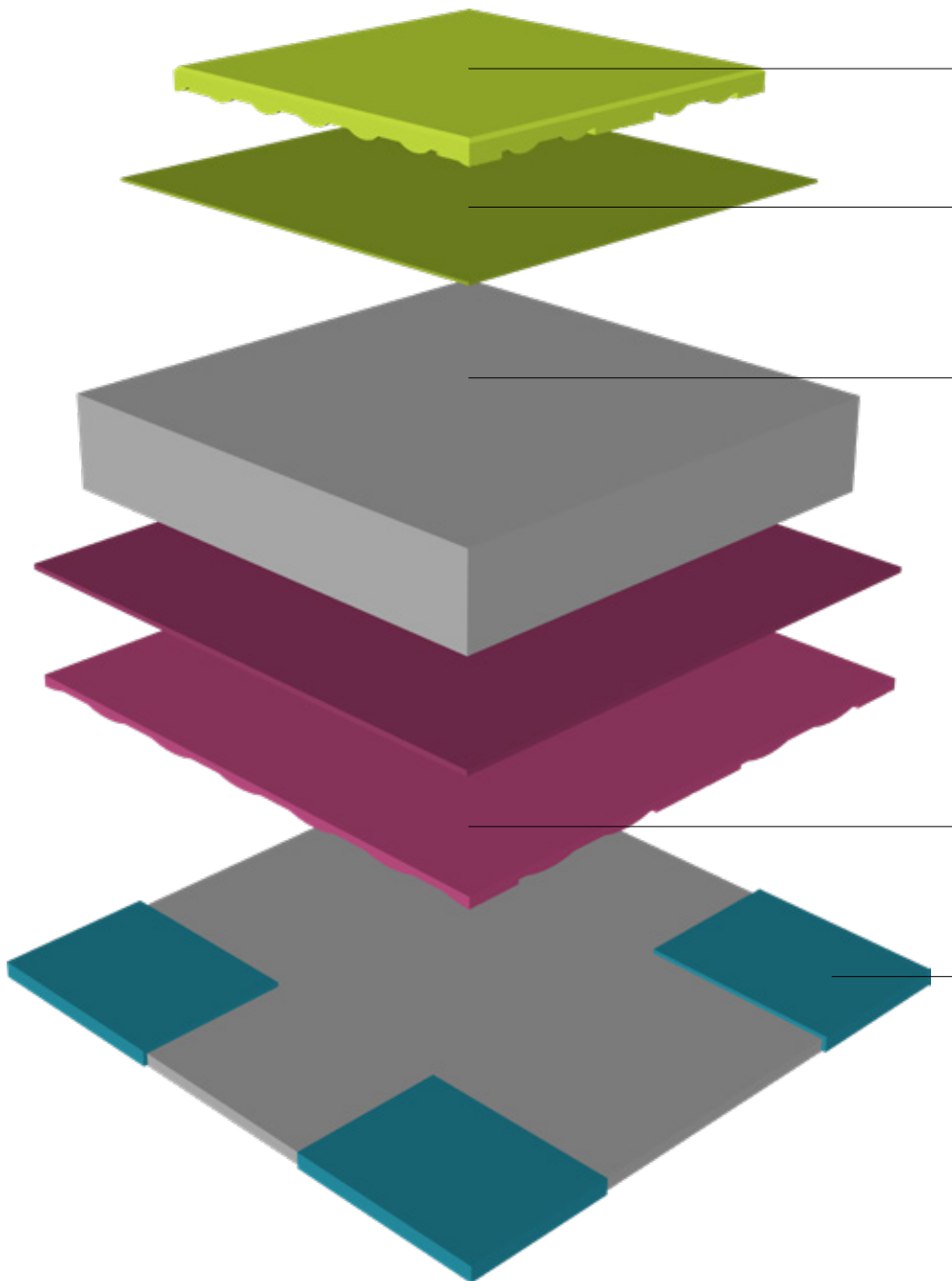
ΔL_{iAFmax} 50 kg
50.7

If you want the ultimate high-performance finishing floor system for your gym, the **Performance Line** is what you need. Extremely good acoustic reduction, unbeatable shock absorption values, additional vibration damping and reassuring finishing floor stability are all combined in these solutions.

We will be happy to advise you! Find your contact person on
www.kraiburg-relastec.com/sportec/en/contact-persons

A photograph of a gym interior with various pieces of exercise equipment, including weight racks and benches. The image is overlaid with a semi-transparent red filter. The text is centered and reads:

CUSTOM LINE
CUSTOMISED SOLUTIONS
FOR SUPERIOR SOUND
AND VIBRATION
REDUCTION



SPORTEC® Level 1

Different design finishes possible

SPORTEC® Level 2

Different elastic layers, can also be combined depending on requirements

DAMTEC®

For extreme impact sound improvement values, DAMTEC® insulation mats, which are made of high-quality recycled or foam granulates, are laid directly under screed. Depending on the requirements, flat mats or mats with a wave-cut profile are used, if necessary several on top of each other.

KRAIBURG
P U R A S Y S

PuraSys vibration pads, in combination with intermediate insulation materials, provide an additional level of sound insulation and effectively reduce vibrations and muffled noises on floors below.

For gyms with extremely challenging acoustic and vibration problems, work under screed may be required. The Gymcoustic **Custom Line** brings together a synergy of three brands from the KRAIBURG Group (SPORTEC® fitness flooring, DAMTEC® acoustic underlays and PuraSys vibration pads) and various combinations of these product ranges can help to resolve the most problematic project issues. Depending on the requirements, we can put in touch with responsible team so that they can develop solutions and discuss the various options with you and your acoustical consultant.

We will be happy to advise you! Find your contact person on www.kraiburg-relastec.com/sportec/en/contact-persons

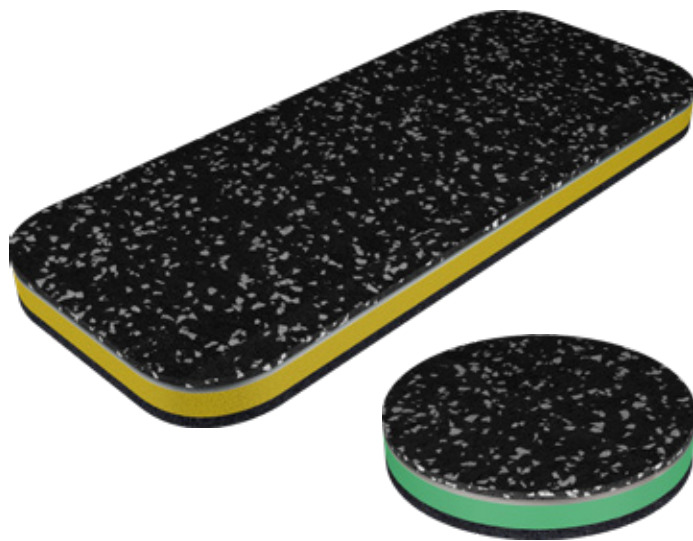
A grayscale photograph of two women running on treadmills in a gym. The gym has large windows in the background, and the scene is dimly lit. The text is overlaid in the center of the image.

QUICK & EASY
SOUND IMPROVING
PADS FOR INSTANT
USE



SPORTEC® Absorber Pads

OUTSTANDING ACOUSTIC AND VIBRATION ISOLATION FOR CARDIO MACHINES



structure



Applications



»MORE FROM YOUR FLOOR



One set consists of these 4 pads:

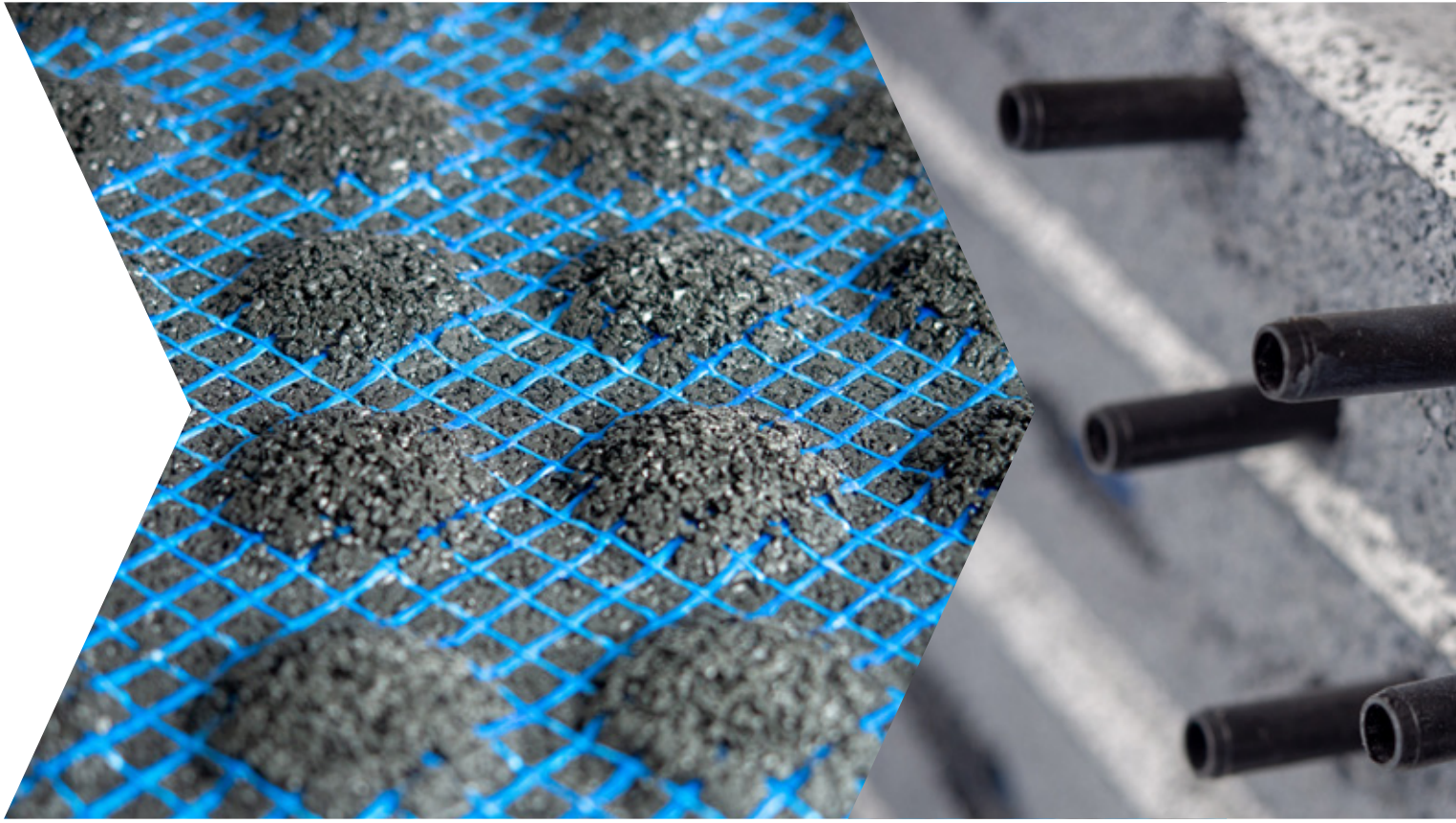


Material	see structure
Colours	surface: SPORTEC® color 15 grey
Dimensions	Front Pads: 380 x 160 x 25.5 mm Back Pads: Ø 150 mm x 25.5 mm (± 1.5 %)
Weight	Front Pads: ca. 2.05 kg/pcs. Back Pads: ca. 0.64 kg/pcs.
Coefficient of friction	> 0.30 μ (DS) [EN 13893]

For gyms where a quick solution is required, our SPORTEC® Absorber Pads offer a direct solution to the problem. Simply place them under the machine that is causing the problems (Treadmills, Cardio machines, Powerplates, Strength stations) and eliminate acoustics and vibration problems at their source.











  **General installation instructions**

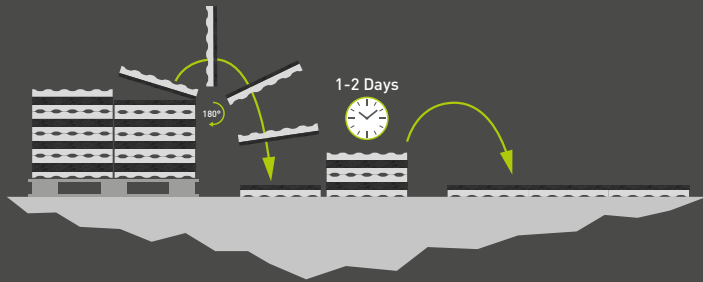
Required tools

gloves, measuring tape, cutter, chalk line, jigsaw and rubber hammer for tiles, pressure roller for rolls



Acclimatisation

The floor covering should be unstacked from the pallet before laying and stored 1-2 days where it will be laid.



Adhesive (700 g/m²), varnish (100 ml/m²), cleaner (40 ml/m²)
Please add the required quantity to your order.

Detailed installation instructions for each product

www.kraiburg-relastec.com/sportec/en/downloads

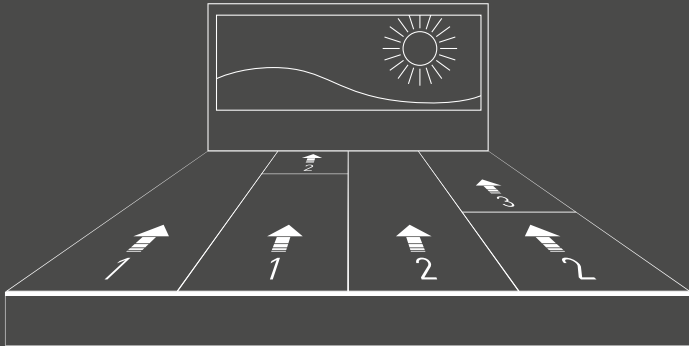
Installation videos on YouTube



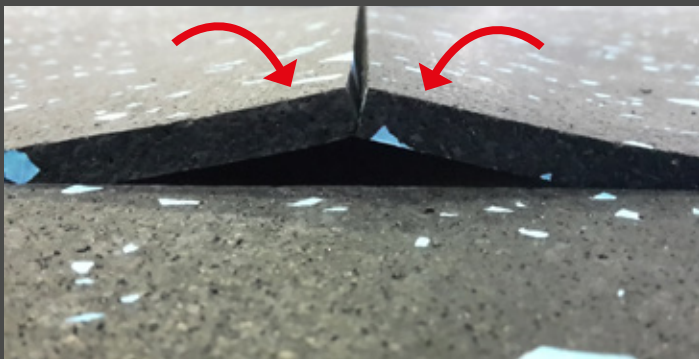


Installation of rolls

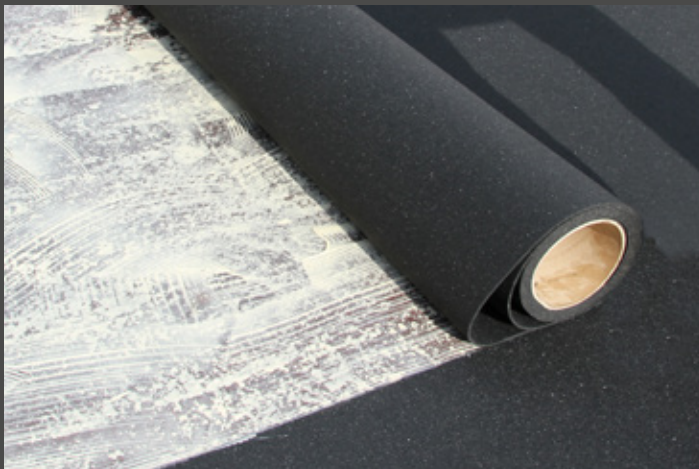
SPORTEC® rolls should always be aligned in the same direction to the brightest part of the room.



SPORTEC® rolls should be laid with pressure on the butted joints (close to overlapping). No welding or joint filler is required.

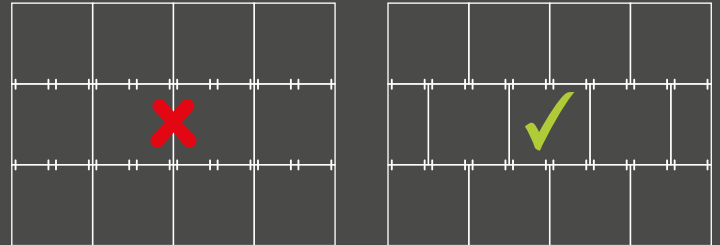


SPORTEC® rolls should be completely glued to the floor. Thicker rolls (from 10 mm thickness) can be fixed with industrial double-sided adhesive tape.



Installation of slabs

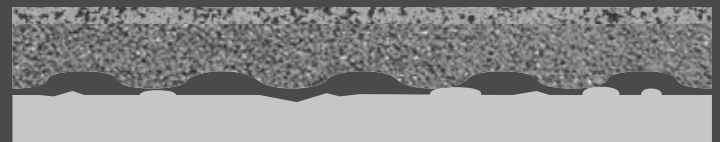
Our slabs are designed for installation without adhesive and should be laid in T-joints. The panels are connected to each other via pre-installed connectors.



All slabs can be cut with a jigsaw, industrial cutter or table saw.



Slight unevenness of the substrate can be negated as the tiles' substructure compensates for this. Do not hesitate to contact us for more detailed advice.



SPORTEC® website - application overview and tools



www.kraiburg-relastec.com/sportec/en/city

In SPORTEC® City you will find an overview of the most important SPORTEC® applications in daily life. You are not into visuals? Of course you will also find a more compact overview of all applications on our website. On the application pages we present detailed information, advantages, suitable products and reference projects.

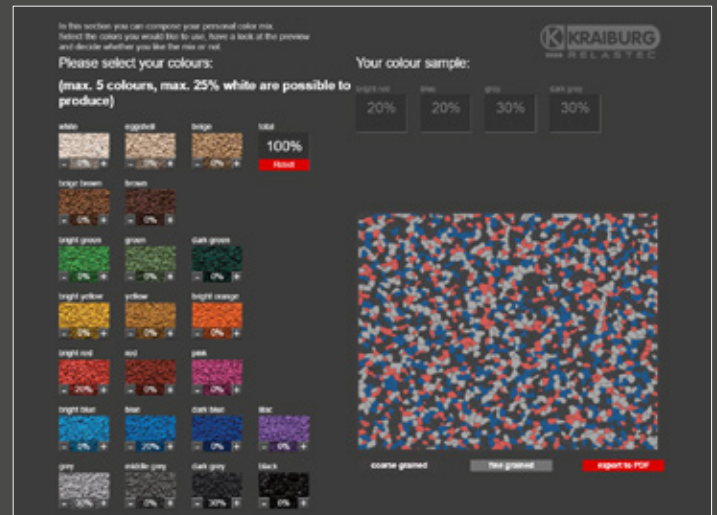


www.kraiburg-relastec.com/sportec/en/applications



www.kraiburg-relastec.com/sportec/en/room-designer

Plan your room with the colour of your choice!
Select the photo that best suits your application and change the colours of the SPORTEC® product in the picture.



www.kraiburg-relastec.com/sportec/en/color-mixer

Create your own SPORTEC® variant floor covering. Choose up to 5 different colours from our EPDM colour palette and adapt the design to your wishes.

ENVIRONMENTAL MANAGEMENT AT KRAIBURG RELASTEC

FROM OLD TYRES TO TOP-QUALITY FINISHED PRODUCTS



Recycling of 85.000t old tyres

Every year, we process and recycle about 85,000 tons of old tyres, closed-cell rubber and rubber production scrap.



Fully recyclable products

All products are fully recyclable and are returned to the production process without any loss of quality.



CO₂ savings

In Germany alone, 400,000 tonnes of CO₂ can be saved annually by using used tyre granulates instead of new rubber materials.



Environmentally friendly production

We invest in innovative and environmentally friendly production methods and technologies. There is a PV system on our administration building.



Control of suppliers

Our suppliers are subject to constant monitoring with regard to environmental protection.



Environmentally friendly way of working

All employees of KRAIBURG Relastec undertake to implement sustainable practices in their daily work and to protect the environment wherever they can.



Review of the products and further development

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.



Environmental protection as a main strategic task

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!



Member of NEW LIFE initiative

The declared aim of NEW LIFE is to demonstrate the advantages of recycled products from End-of-Life Tires (ELT) to the media, politicians and the general public and to motivate them to act sustainably.

Mehr Infos finden Sie auf www.initiative-new-life.de/en

» **MORE FROM YOUR FLOOR**

SPORTEC®

Sports flooring and elastic layers
made from rubber granules

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Made in
Germany

Q qualityaustria
SYSTEMZERTIFIZIERT
ISO 9001:2015 NR. 00188/0
ISO 50001:2011 NR. 00070/0



NEW LIFE
INITIATIVE-NEW-LIFE.DE