

NPGFLOOR®



NEW POWER GENERATION

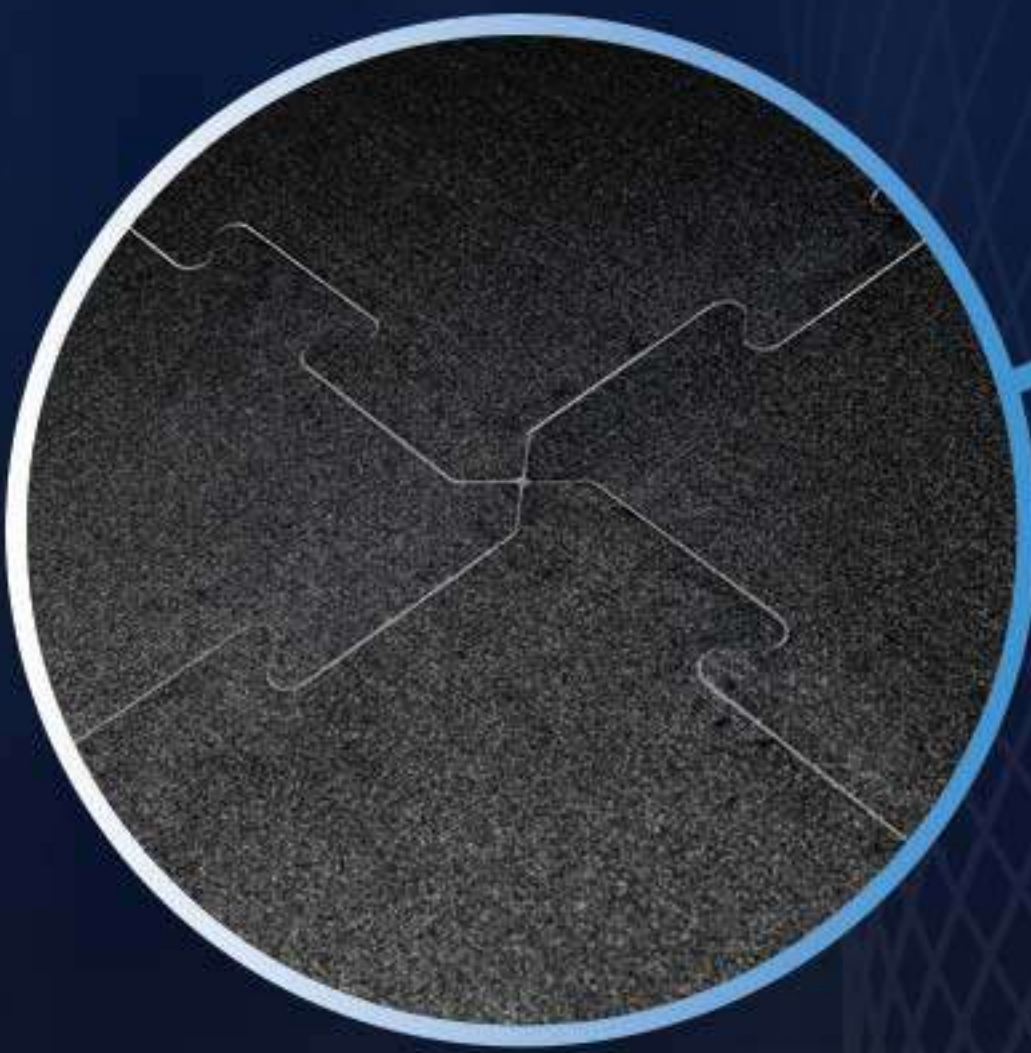
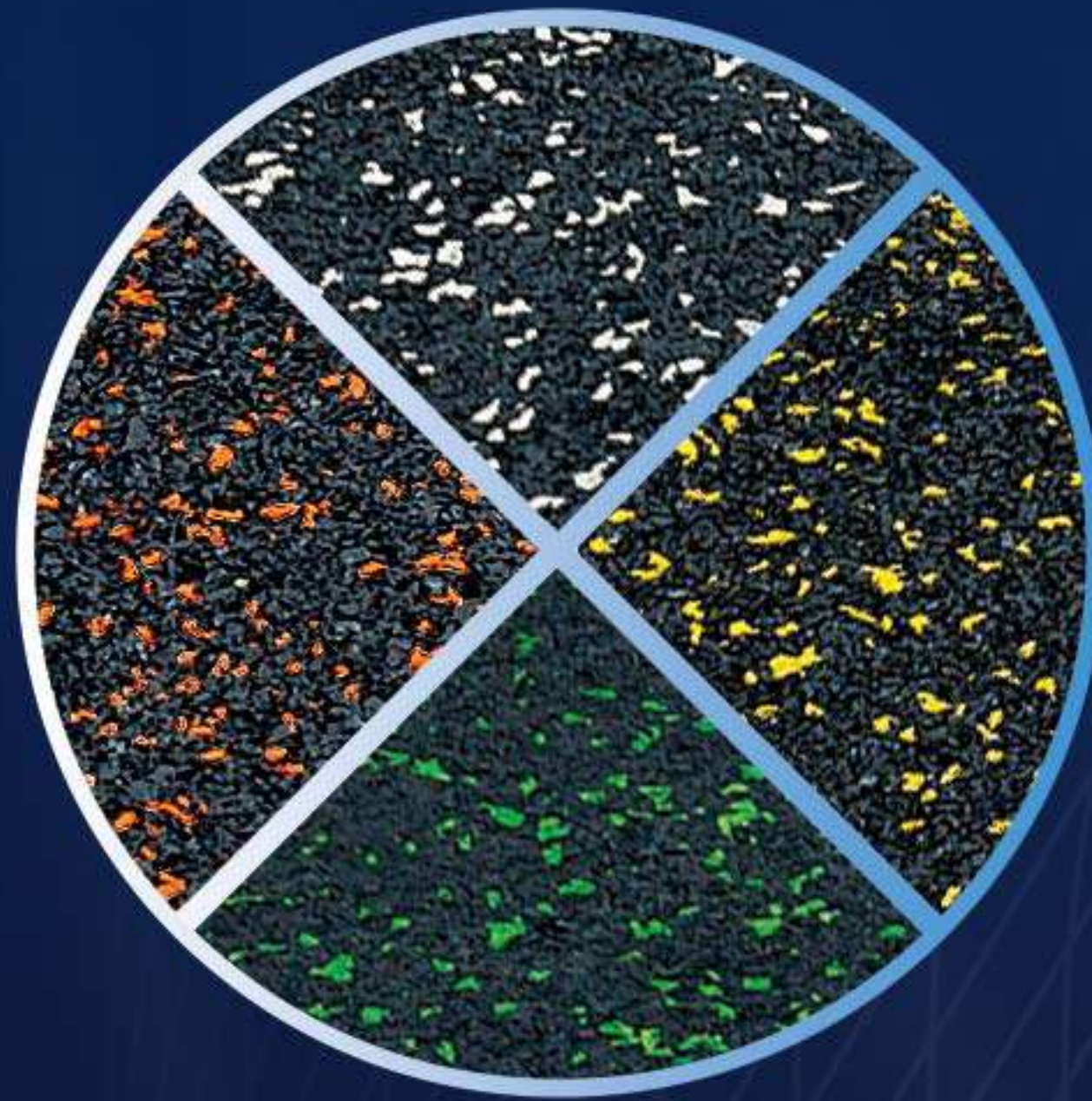
www.npgfitness.co.uk

FLOOR AND ENDINGS

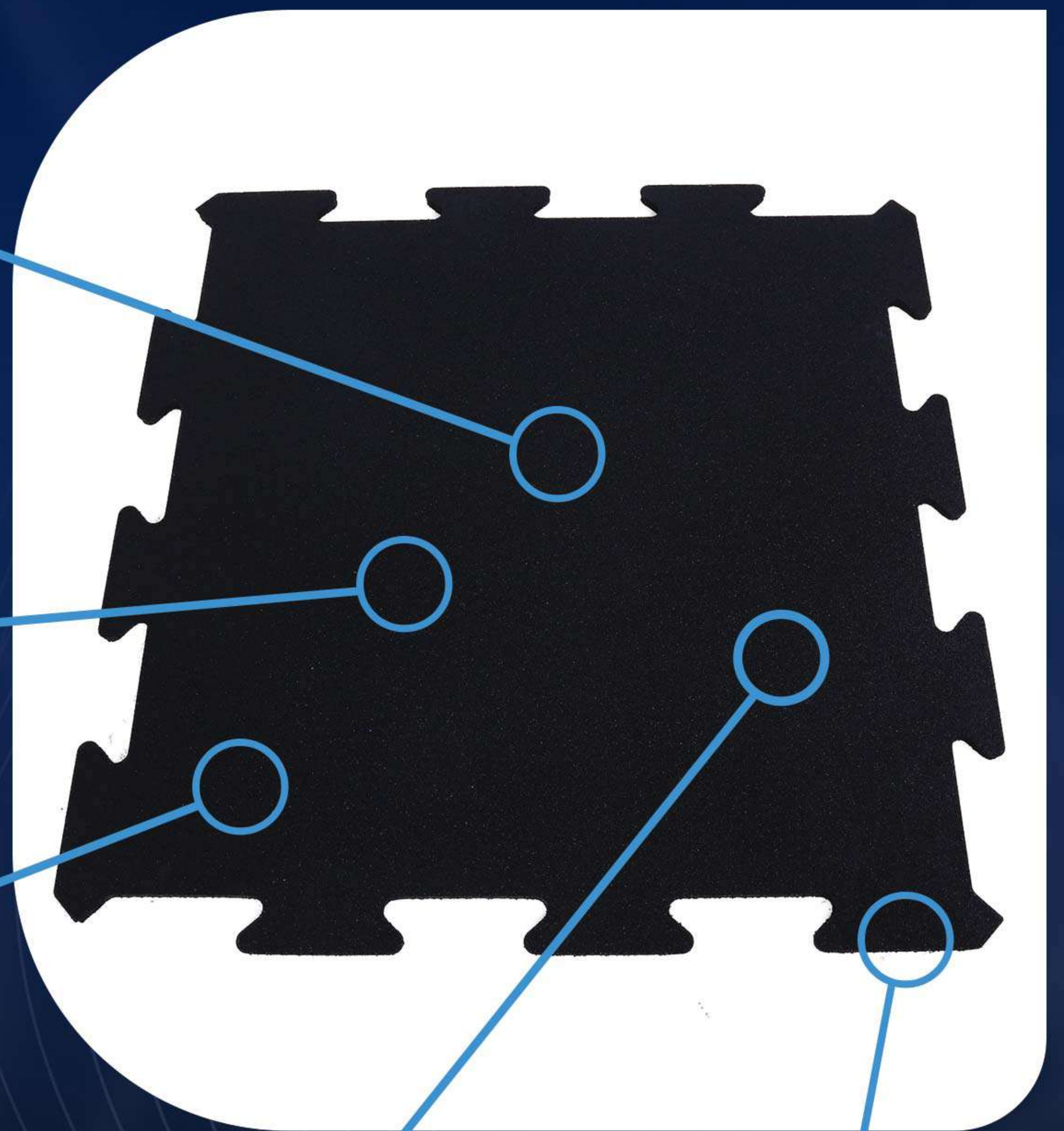
**SBR rubber
granulate
+ polyurethane
adhesive**



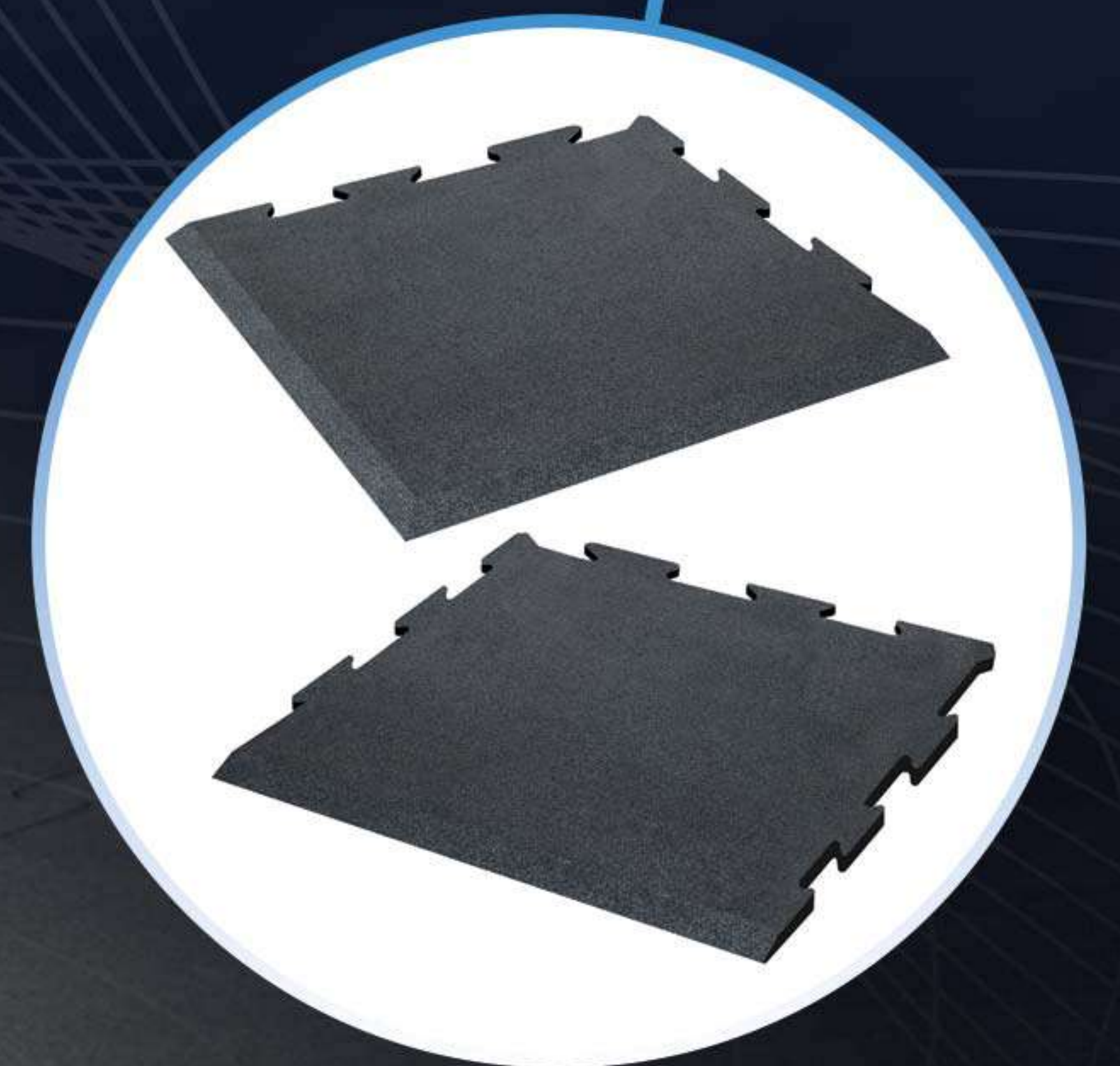
**colouring
options**



**easy
installation**



**impact and
friction resistant**



**side
and corner**



L x W
100 x 100 cm

WEIGHT
5 mm: 5,5 kg
10 mm: 10 kg
15 mm: 15,4 kg
20 mm: 20 kg

SIZE
1 m²

THICKNESS*
standard 5 mm, 10 mm,
15 mm, 20 mm
*ask about different thickness

PLATFORM

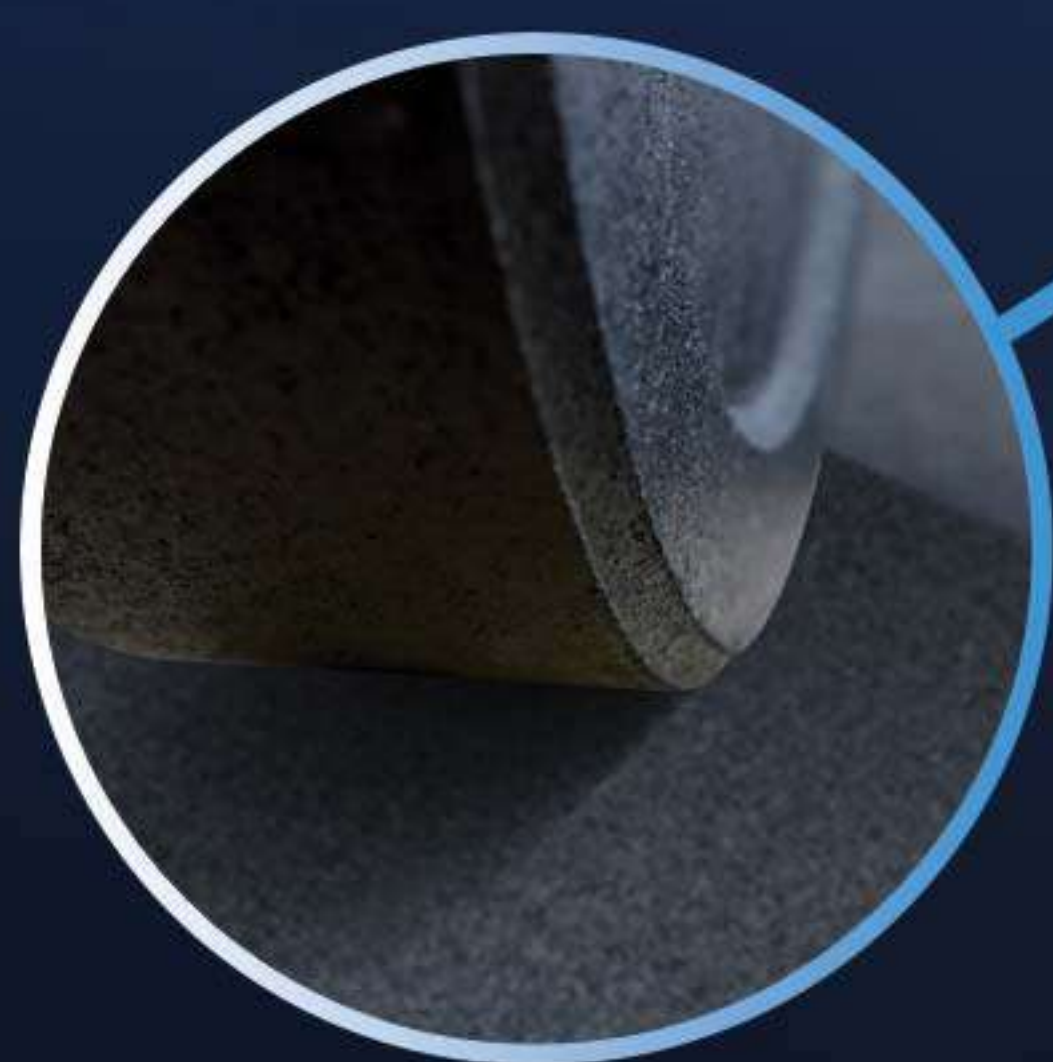
**6 elements
only
(2 wooden,
4 rubber)**



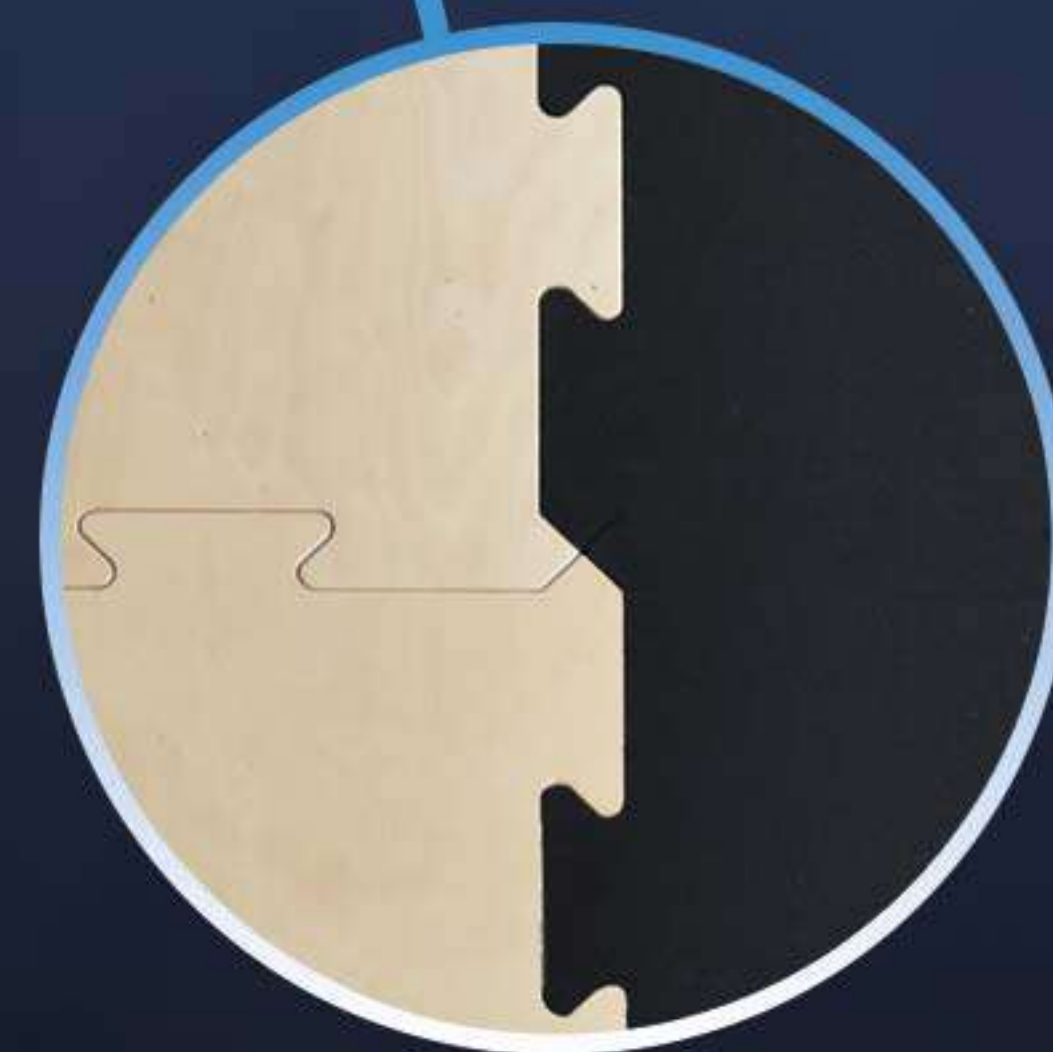
**your
logo**



**absorbs
shocks,
reduces noise**



**easy
to install**



L x W
212 x 312 cm

WEIGHT
82 kg

SIZE
6 m²

THICKNESS
15 mm

BUMPERS

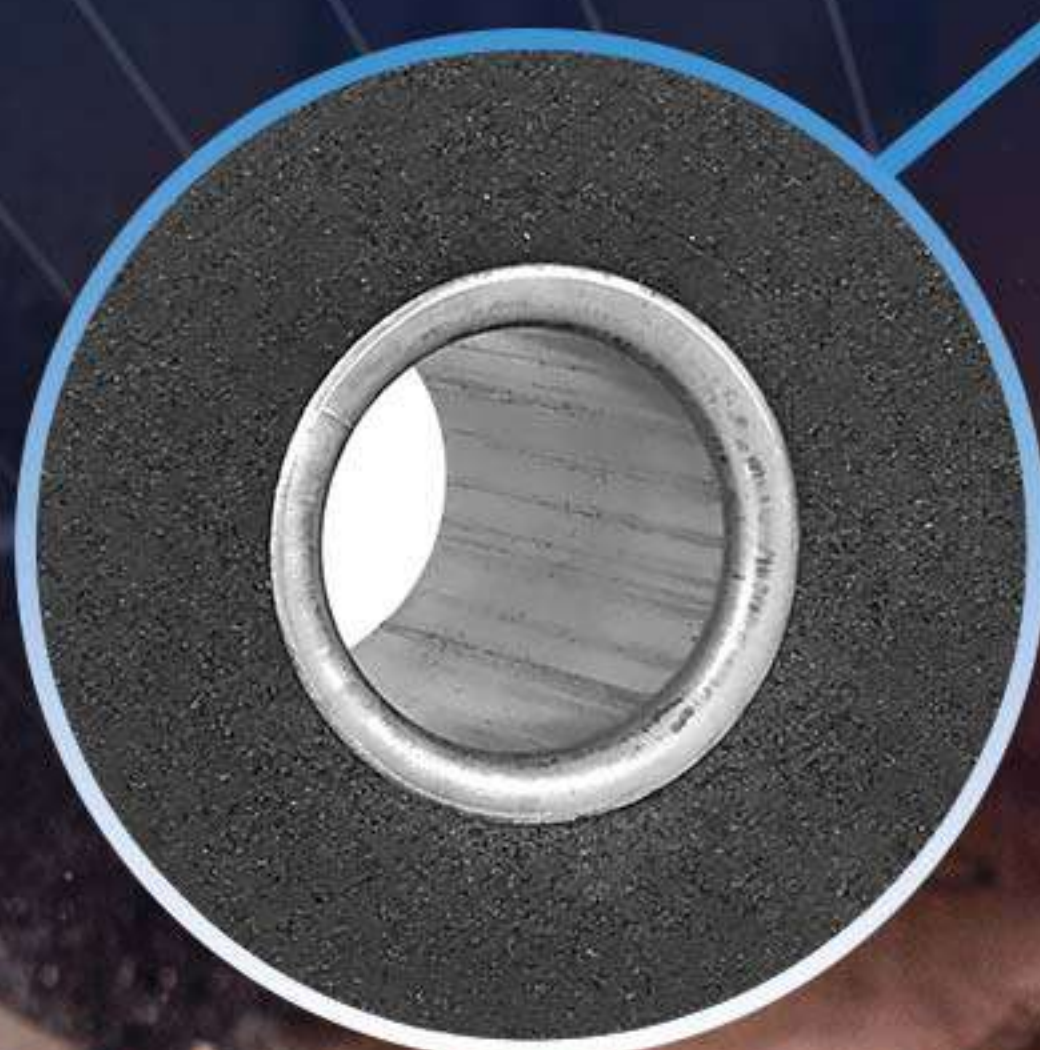
**SBR rubber
granulate
+ polyurethane
adhesive**



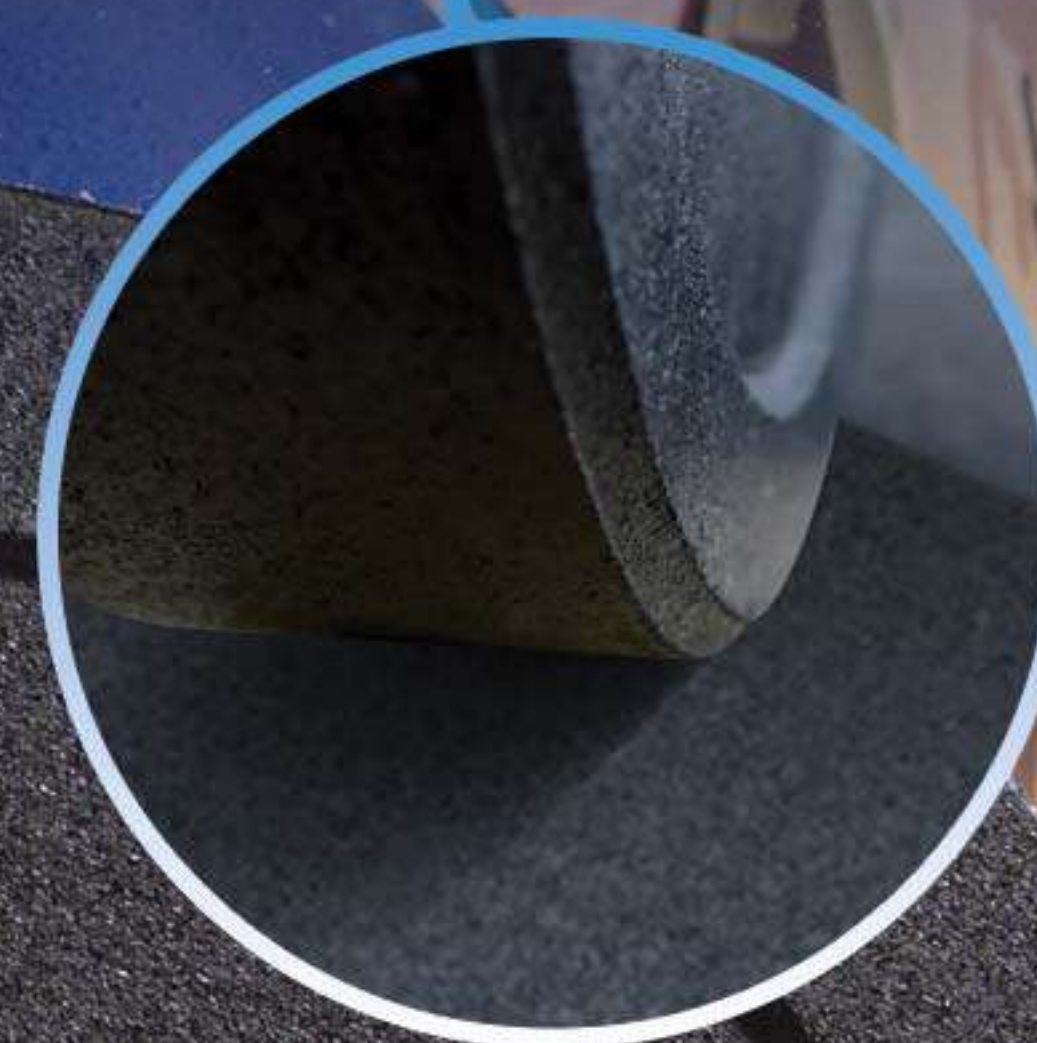
**durable
weight marking**



**stainless
steel bushing**



impact resistant



BUSHING DIAMETER
51 mm

BUMPER DIAMETER
440 mm

WEIGHT
5kg, 10kg, 15kg, 20kg

THICKNESS
5 kg - 30 mm, 10 kg - 60 mm,
15 kg - 90 mm, 20 kg - 120 mm

GRASS FLOOR

weatherproof



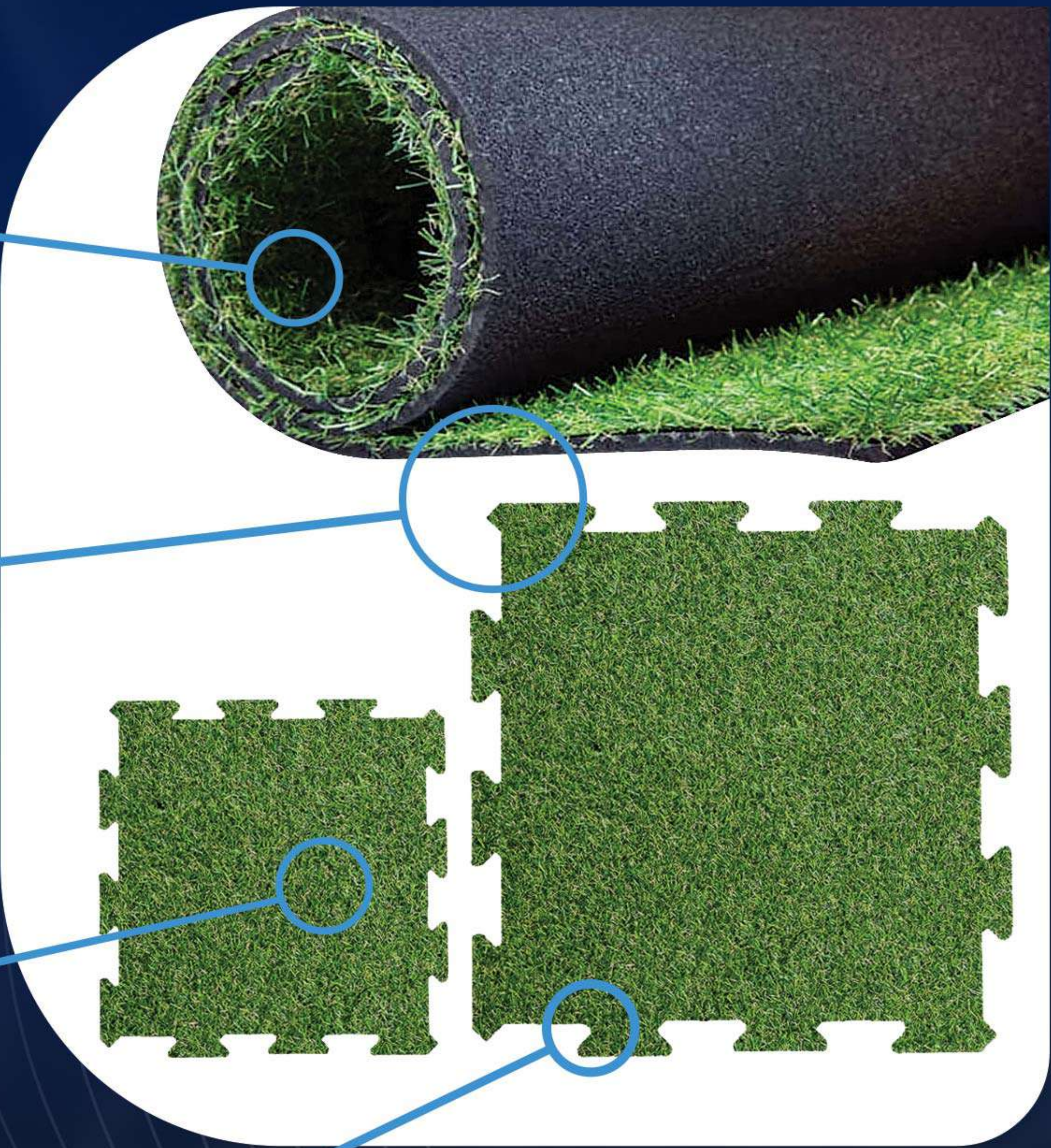
puzzle
or roll shaped



grass firmly
attached
to the ground



easy to install
and very durable



	THICKNESS OF THE RUBBER LAYER	ROLL /PUZZLE DIMENSIONS	WEIGHT OF ROLL /PUZZLE	GRASS DENSITY PER M ²
GRASS FLOOR ROLL FLAT 5MM	5mm	0,6 × 1,20m	4,4 kg	15120-15750
GRASS FLOOR MINI ROLL FLAT 5MM	5mm	1,20 × 5m	32,4 kg	
GRASS FLOOR MINI PUZZLE FLAT 8MM	8mm	0,6 × 0,6m	2,4 kg	
GRASS FLOOR PUZZLE FLAT 8MM	8mm	1 × 1m	8,5 kg	

Sales:



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Next level fitness
flooring

INPC[®]FLOOR

Training spaces



Track area

6 – 9



Stretching & mobility area

10



Free weights area

12



Functional fitness area

14



Outdoor fitness area

16

Every training environment has an optimal gym floor. Based on sustainable materials fior aims to support every gym with standard and customized flooring solutions to best suit any needs.

A German sports flooring company which applies technology to drive sustainable and digitized gym flooring. The aim is to reduce global CO2 emissions while at the same time increase fun and collaborative interaction during each workout.

Sustainability in gym flooring

At fior we commit ourselves to two sustainability development goals (SDGs):



Climate action

Goal: Reduce CO2 footprint by > 50 % versus the next best alternative.



Sustainable cities and communities

Goal: At least 30 % personalized floors to reflect the local community, club or country.

Digitalization in gym flooring

Take control of your floor. Through integration of electronics into the fitness floor we enable a new level by enhancing group training through light programs, by supporting personal training through goal visualization and by creating a next level of comfort through selected areas with floor heating.

The future of gym turf

Sustainability

Recycling rather than natural resources

Whether old fisher nets or industrial landfills, fior is the first company to offer both premium carpet fibers and artificial turf from recycled resources.

Software update rather than new floorings

Having an up-to-date gym does not require the newest flooring, but a flooring that can be updated by a new software. By that material consumption can be reduced.

Community building through customization rather than standard products

Community identity and art embedded in customized gym flooring increases membership loyalty and creates a local identity for each gym.

Digitalization

Enhance emotions by lighting

Training will start at a whole new level, if ambient floor lighting is created within the speedtrack. But even more is possible, for example you can set the speed of light to match your speed of pushing the sledge.

Warm feet, great training

Stretching and low-intensity has never been so enjoyable, if cold feet touch a warm surface. For stretching, Yoga, Pilates and many more exercises, the fior floor heating technology provides a premium addition for a successful training at low heating costs.

App-controlled multipurpose sports flooring

Controlling floors through a software, e.g. embedded LEDs, increases the use time on fior flooring, e.g. a music light to enhance group training or a light program to help personal training sessions.

Quality

World's highest fiber density

With 2×220 stitches per meter we achieve an areal density equal to 88 000 knots per m^2 , which is the most outstanding sports grass fiber density on the market.

Extreme customizability

With up to 20 colors, complete design freedom and hard to soft surfaces we are able to provide a sports experience unique for each location.

100 % Made in Germany

We obtain all of our raw materials from Germany and the EU ensuring German quality and EU standards.



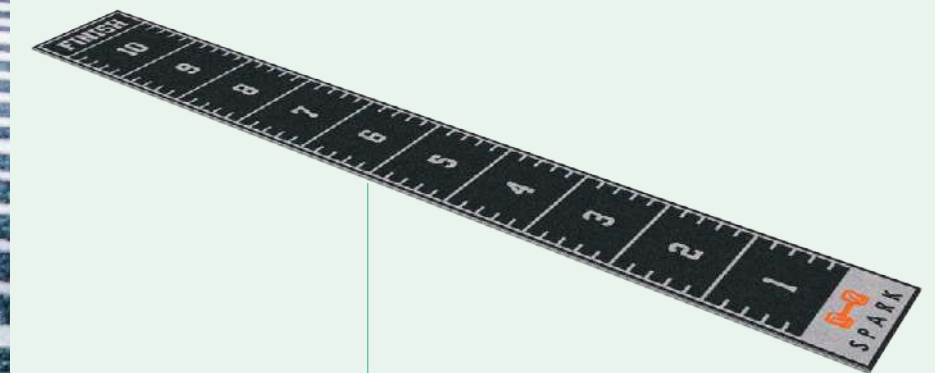
NPG Track

Anti-slip backside: no installation, multiple re-use

Take advantage of our installation-free speedtracks with anti-slip backside. The speedtracks are rock solid and you save time and installation costs. Furthermore, the underneath surface remains shiny and multiple re-use is possible.

Recycled plastics for highest gym turf performance

Saving the planet should not come at a performance compromise, therefore we work in close partnership with a German yarn producer to ensure highest quality standards.



Anti-slip backside

CARBON
FOOTPRINT
3,5
kg CO₂eq/m²



15 mm
cut pile



Installation-free
with anti-slip backside



20 color
options



Recycled texturized
PE yarn



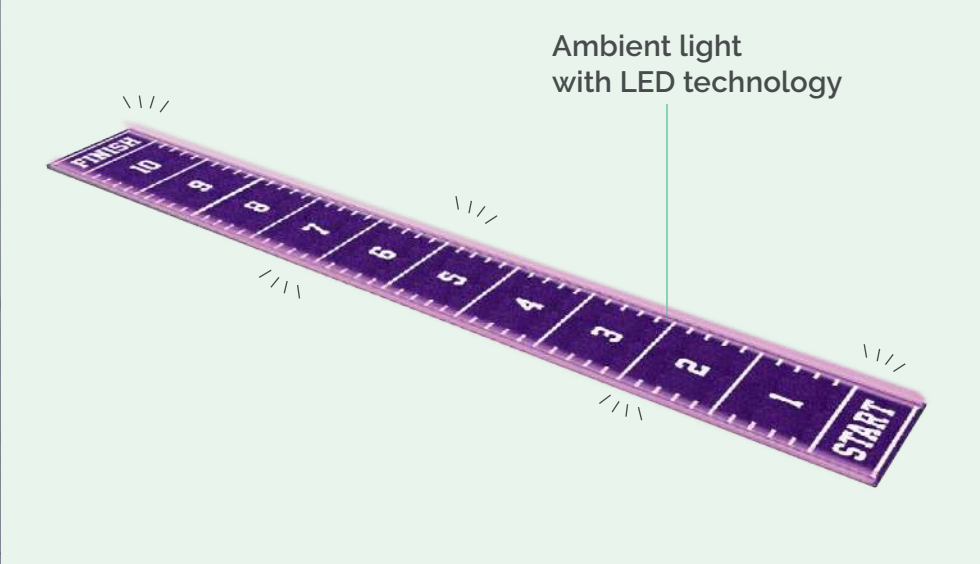
NPG Track LED

LED-integrated gym turf

Ambient light in sports floors creates an aesthetic ambience that will perfectly fit into any studio. At the same time we ensured a high-quality turf that can sustain any training and load as you would expect from a standard speedtrack.

From lighting to elevated training

Become motivated through running lights along the track, create your personal training sequence with a specific set of light programs or enhance group training through light shows, a whole new level is possible with the MYlighttrack.



CARBON
FOOTPRINT
3,5
kg CO₂eq/m²



Energy demand:
24 W/m



15 mm
cut pile



Installation-free
with anti-slip backside



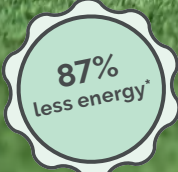
20 color
options



Recycled texturized
PE yarn



Stretching and mobility area



*see page 22



Integrated thermostat – easy control through smart-phone app

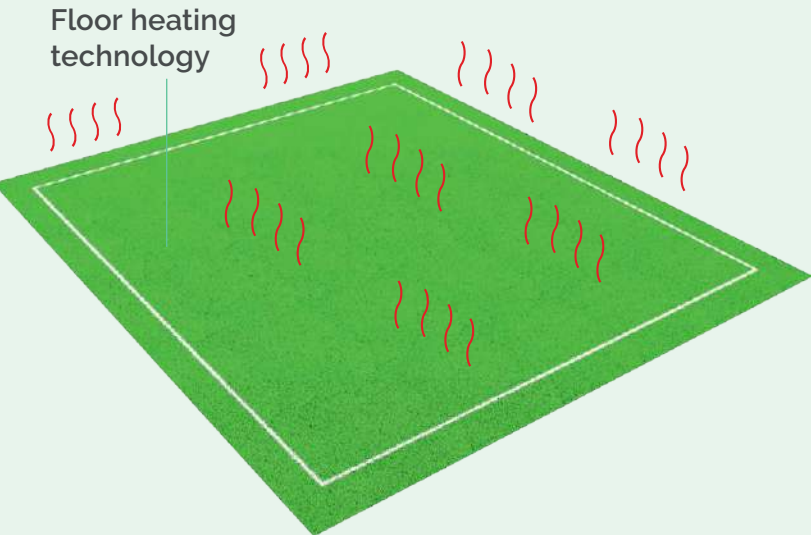
NPG Warmzone,

Warm feet — great training

Large rooms like most gyms are challenging to heat. In addition, different training areas require different temperatures. For low-intensity stretching and mobility areas the MYwarmzone provides warm feet for more fun during each exercise.

Smart and energy efficient

The NPG Warmzone has a very low energy demand and can be smartly timed through an integrated thermostat as well as through a smartphone app.



CARBON FOOTPRINT

10,9

kg CO₂eq/m²

Energy demand:
130 W/m²

20 mm
cut pile

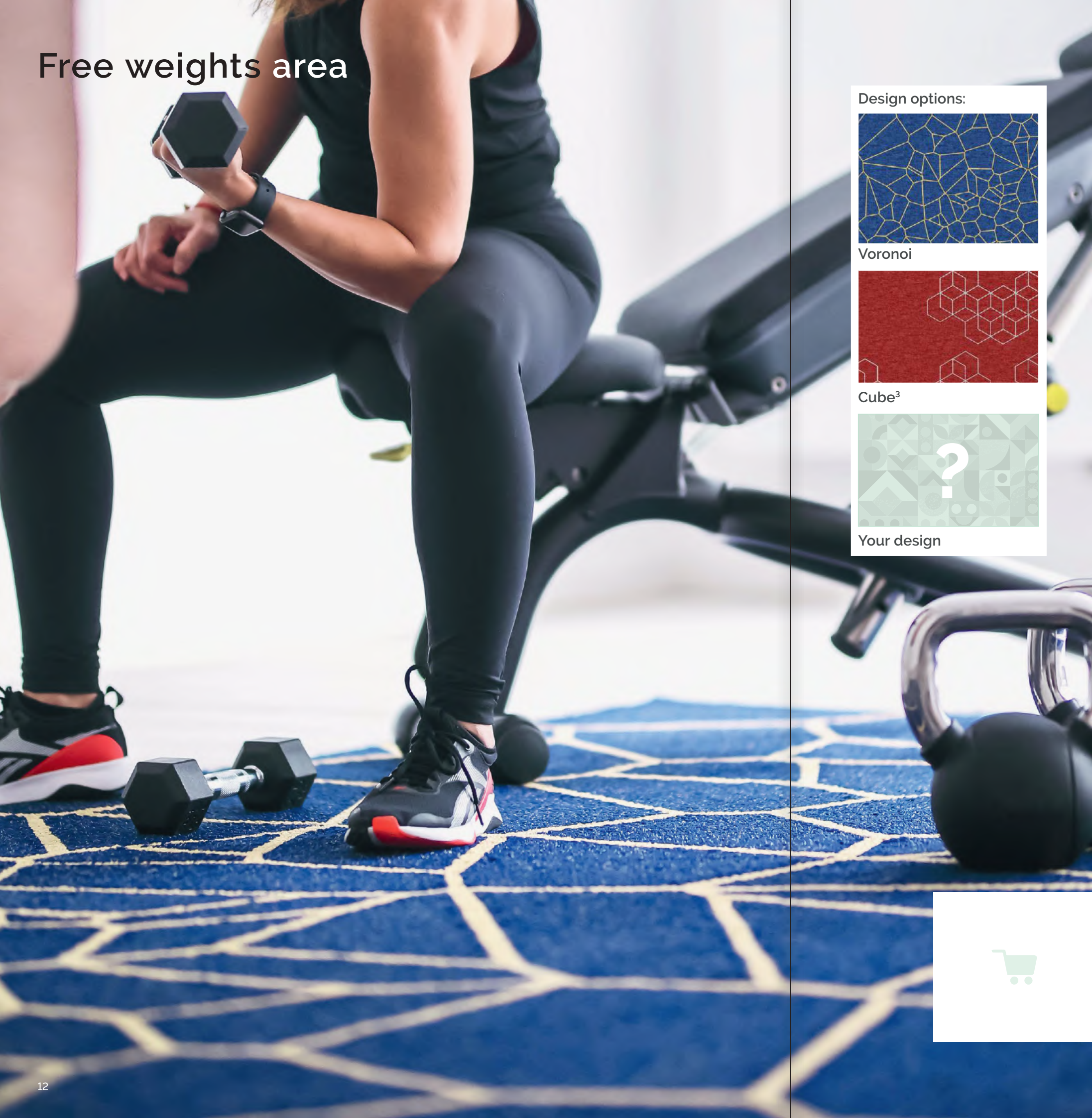
Installation-free
with anti-slip backside

1 color
options

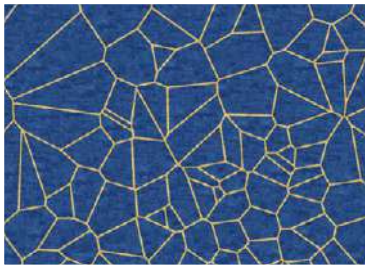
Ultra-soft straight and
texturized PE yarn



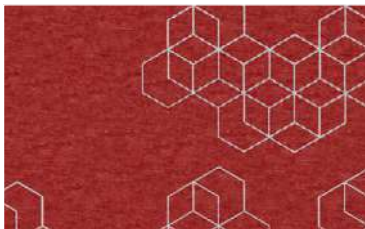
Free weights area



Design options:



Voronoi



Cube³



Your design

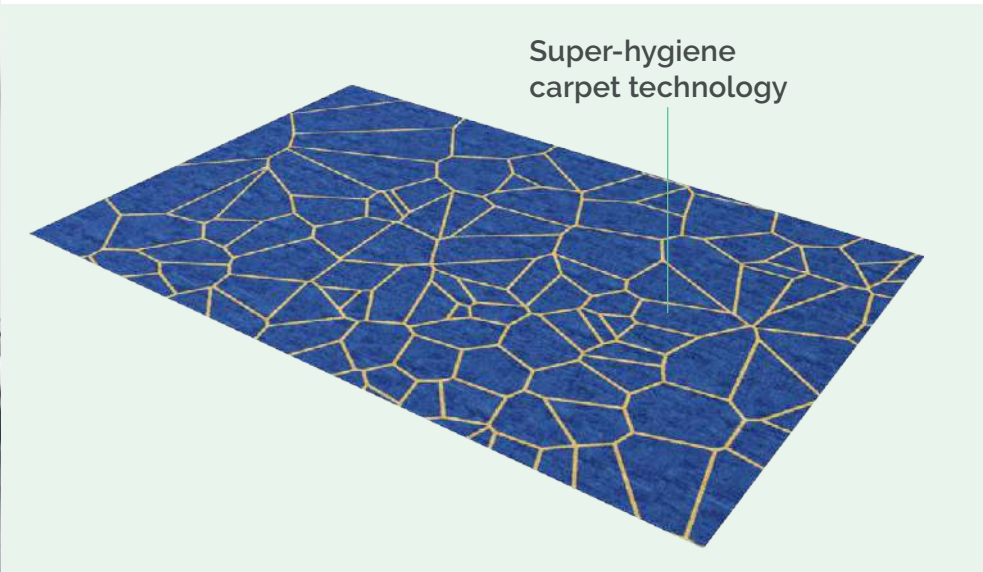
NPG Premium Mat

Super-hygiene carpet technology

Our silver-coated fibers turn bacteria into deadly zombies preventing any form of bacterial life in the NPG Premium Mat sports rug. In addition, a loop fiber production ensures minimal surfaces and best chemical cleaning properties.

Recycled fisher nets turned into a premium rug

To drive sustainability we ensure that carefully selected plastic waste can be re-used at highest quality standards.



CARBON
FOOTPRINT
6,4
kg CO₂eq/m²



10 mm
loop pile



Installation-free
with anti-slip backside



4 color
options



Recycled
polyamide yarn



Functional fitness area



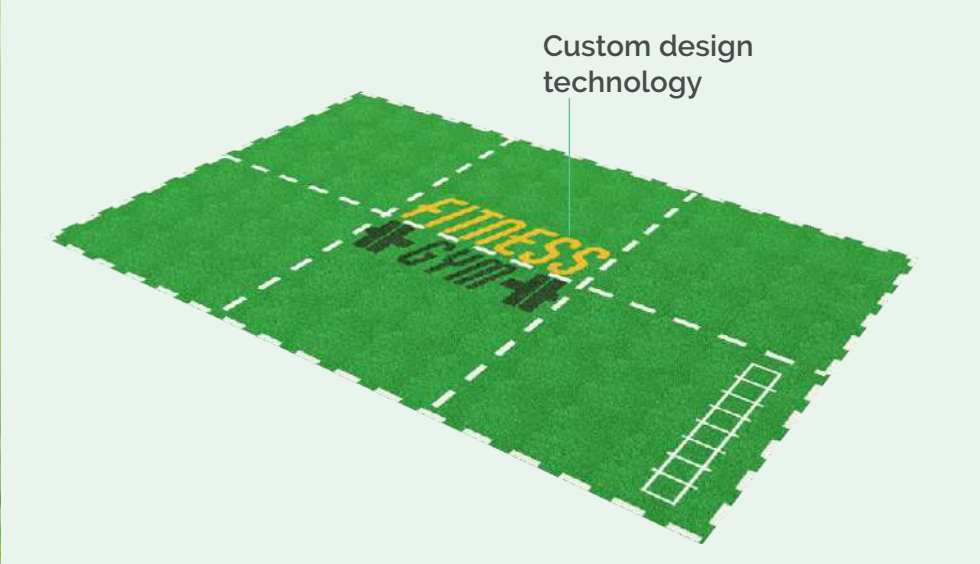
NPG Crossturf

Perfect grip for CrossFit applications

The ability to move heavy weights with a perfect stand, to push yourself to new limits with your own body and to obtain a natural outdoor feeling is achieved with the MYcrossturf from fior.

Custom design technology

A large range of functional training elements can be embedded into the NPG Crossturf such as agility dots, coordination tools or full speedtracks. In addition, a logo or personalized elements can be added as well.



CARBON
FOOTPRINT
11,6
kg CO₂eq/m²



12 mm
cut pile



Installation with
double-sided tape



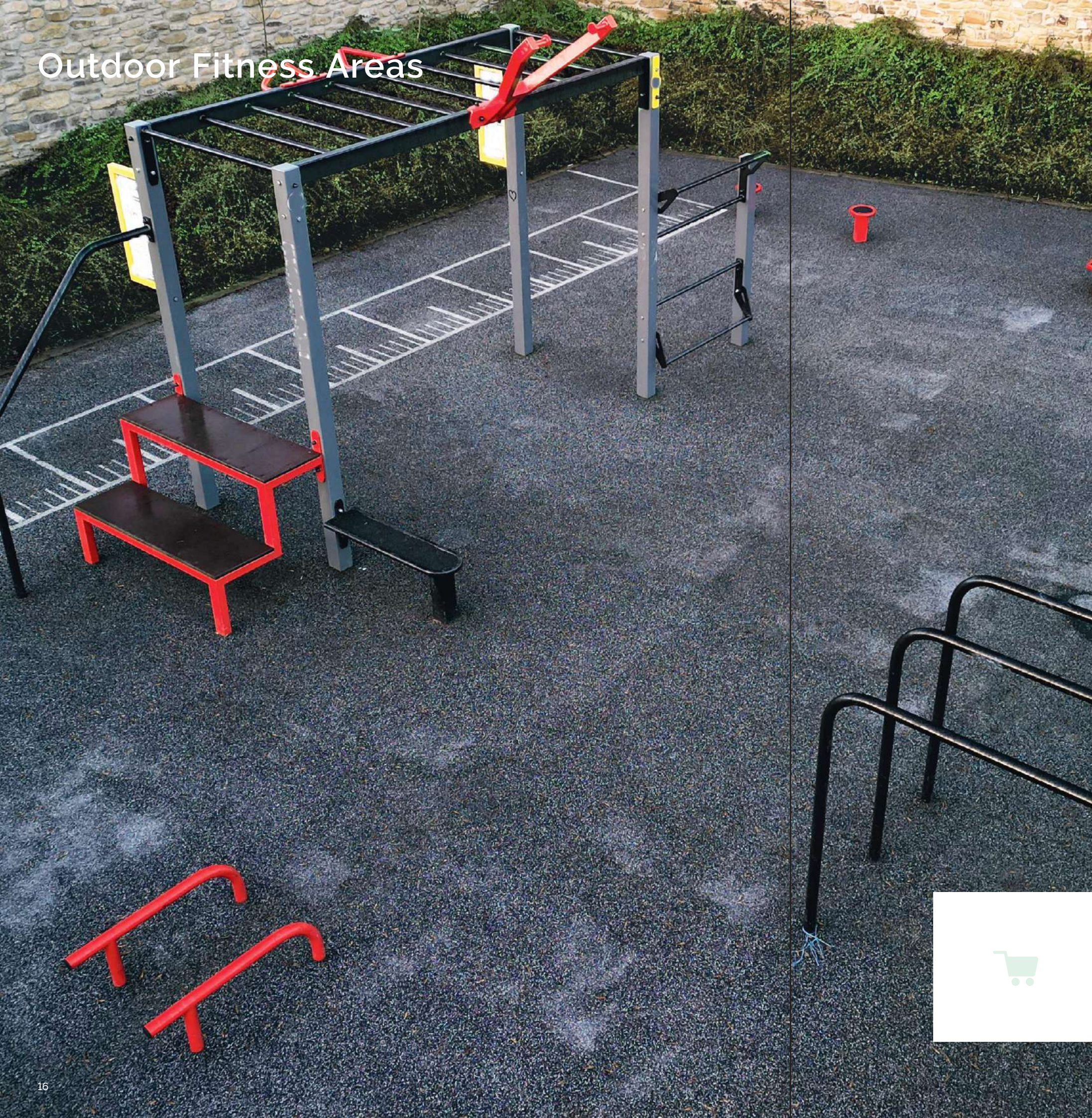
6 color
options



Texturized PE yarn



Outdoor Fitness Areas



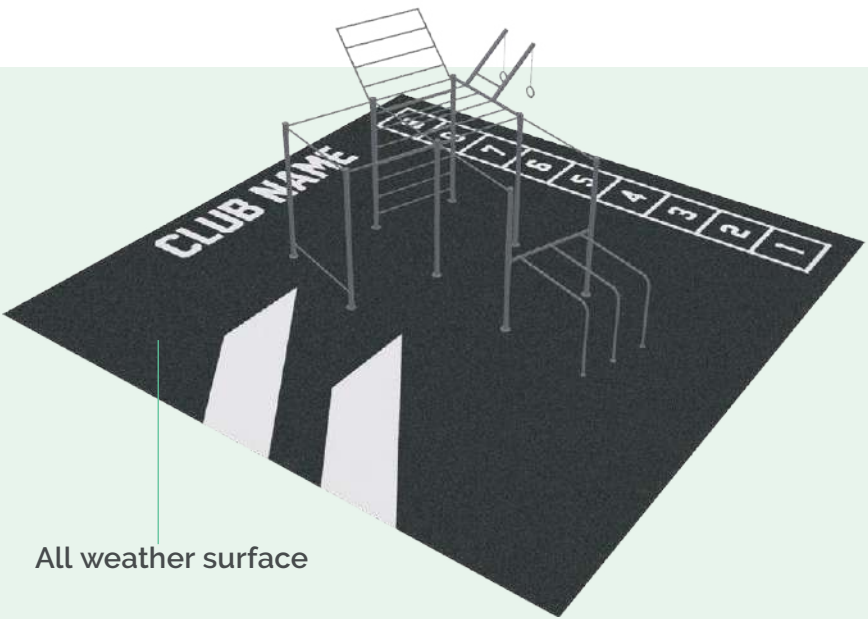
NPG Outdoorurf

All-weather surface

Ensuring a stable performance at burning heat and during heavy rain is the task for the NPG Outdoorurf. Through its reinforced texturized PE fibers and integrated drainage, it can sustain any weather condition.

Functional and customized outdoor fitness area

You can create a unique outdoor experience with multiple colors as well as customized elements. Through 2D and 3D designs for supports you from planning to realization.



All weather surface

CARBON
FOOTPRINT
12,3
kg CO₂eq/m²



25 mm
cut pile



Installation with
double-sided tape



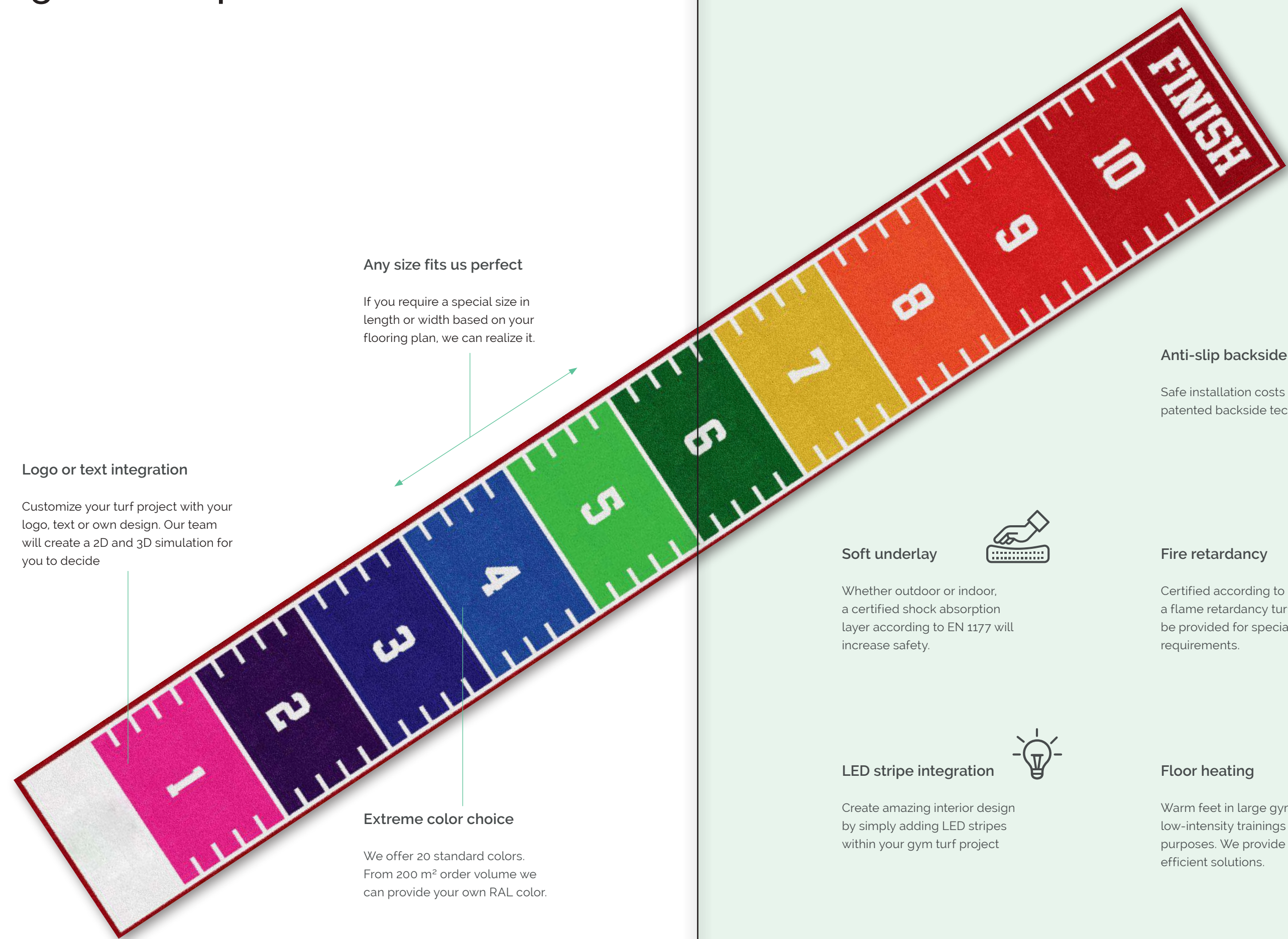
6 color
options



Reinforced
texturized PE yarn



Configuration Options



Any size fits us perfect

If you require a special size in length or width based on your flooring plan, we can realize it.

Logo or text integration

Customize your turf project with your logo, text or own design. Our team will create a 2D and 3D simulation for you to decide

Extreme color choice

We offer 20 standard colors. From 200 m² order volume we can provide your own RAL color.

Soft underlay

Whether outdoor or indoor, a certified shock absorption layer according to EN 1177 will increase safety.

LED stripe integration

Create amazing interior design by simply adding LED stripes within your gym turf project

Anti-slip backside

Safe installation costs with a patented backside technology

Fire retardancy

Certified according to EN 13501-1 a flame retardancy turf can be provided for special indoor requirements.

Floor heating

Warm feet in large gyms for low-intensity trainings or other purposes. We provide energy-efficient solutions.

Sustainability — Materials

Obtain a transparent breakdown of the different CO2 footprint contributions

Carbon footprint calculation

- 1.) Yarn / Polyethylene: 6 kg CO2eq/kg
- 2.) Binder / SBR synthetic rubber: 2,5 kg CO2eq/kg
- 3.) Energy consumption during production: 0,4 gr CO2eq/kWh

Product / Technology	Yarn [kg CO2eq/m²]	Binder [kg CO2eq/m²]	Production [kg CO2eq/m²]	Total [kg CO2eq/m²]
NPG Crossturf	8,4	2,5	0,7	11,6
NPG Premium	0 (recycled)	5	1,4	6,4
NPG Outdoorurf	8,4	2,5	1,4	12,3
NPG Track + RECYCLED MATERIALS	0 (recycled)	2,5	1	3,5
*(green, blue upcoming)				
NPG Track — colors	13,2	2,5	1	16,7
NPG Warmzone	9	1,25	0,7	10,9

Sustainability — Technologies

At fior we embed technologies to drive sustainability to reduce CO2, to increase product lifetime and engagement

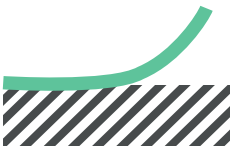


Enable re-usability of speedtracks



Standard gym turf is glued to the floor

- ✗ No re-arrangement
- ✗ No re-use
- ✗ Floor surface needs to be repaired



Anti-slip fior turf only adheres to the floor

- ✓ Re-arrangement
- ✓ Re-use and re-sell
- ✓ Floor surface remains perfect



Enable additional sport programs through software updates



One floor = one training



Speedlights



Music lights for group workout



Individual workout lights

Sustainability — Technologies



Energy-efficient heating areas for low-intensity training



Full room heating

- ❌ High energy costs
- ❌ No distinction possible between e.g. high-intense vs. low-intense arease
- ❌ Regulatory bans to save energy cost



Zonal heating areas

- ✅ For specific areas, e.g. low-intensity training
- ✅ Time-controlled heating (e.g. through app)
- ✅ Low energy-consumption heat foils



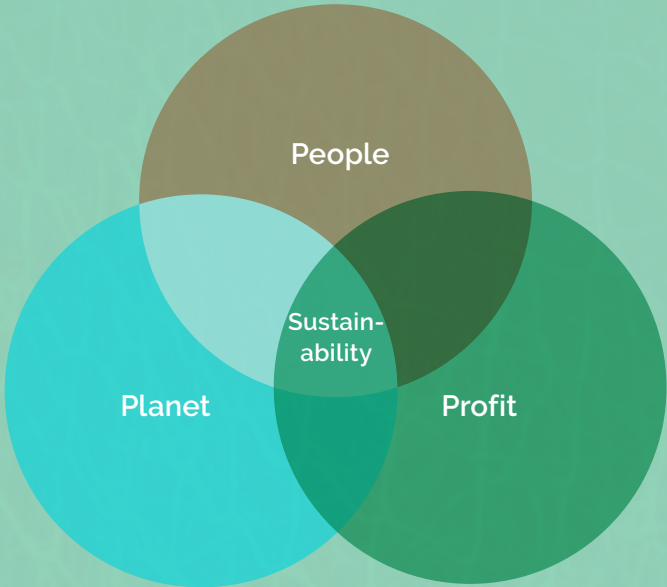
*Energy savings:
Average 20 m² room vs. 6 m² NPG Warmzone (usage time: 6h/day)

Standard Room	NPG Warmzone
3800 kWh/year	485 kWh/year
760 kg CO ₂ eq/year	24 kg CO ₂ eq/year



NPG Track is a proud member of the circular plastic alliance:

Its goal – 10 million tons recycled plastics by 2025.



Sustainability is our unique selling proposition

1. Planet

Apply recycled materials, enable re-use of our products, precise production to safe material waste, local value chain to reduce transport distances, patching of high-use areas with logos, smart heating, digital products to update existing flooring concepts.

2. People

Customized local elements to bring communities together, digital concepts that enable multipurpose use of one flooring area.

3. Profit

Through sustainable benefits derive a leading market position.

INPG[®]FLOOR



Distribution & Service

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Over 100 projects realized successfully implemented from South Africa to Japan.

