



Next level fitness  
flooring

**INPC<sup>®</sup>FLOOR**



# Training spaces



Track area

6-9



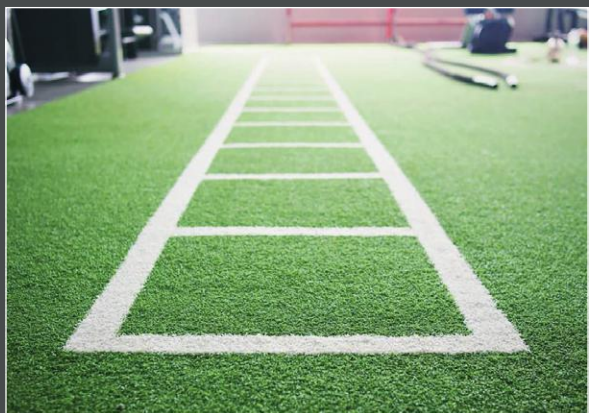
Stretching & mobility area

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  $2 \times 220$  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.





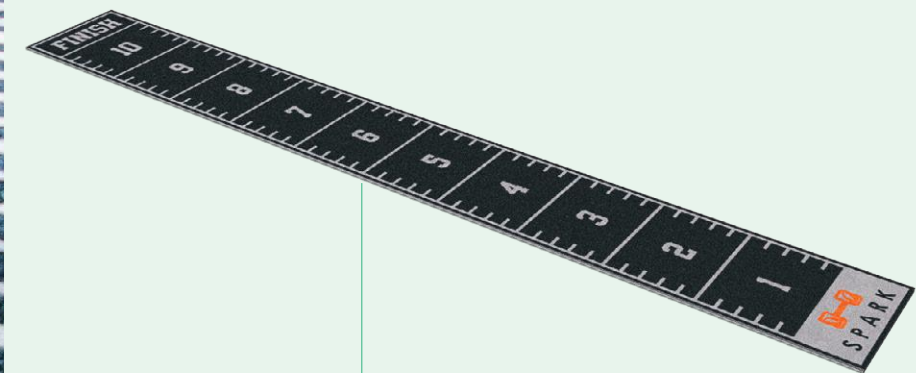
# NPG Track

## 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 CO<sub>2</sub>eq/m<sup>2</sup>



15 mm  
cut pile



Installation-free  
with anti-slip backside



20 color  
options



Recycled texturized  
PE yarn





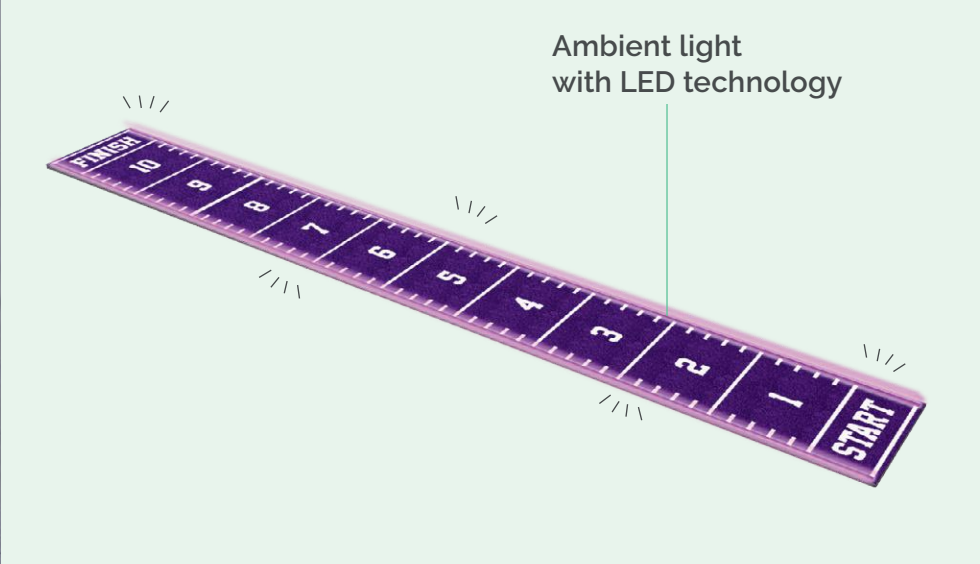
# NPG Track LED

## 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 CO<sub>2</sub>eq/m<sup>2</sup>



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



Integrated thermostat – easy control through smart-phone app

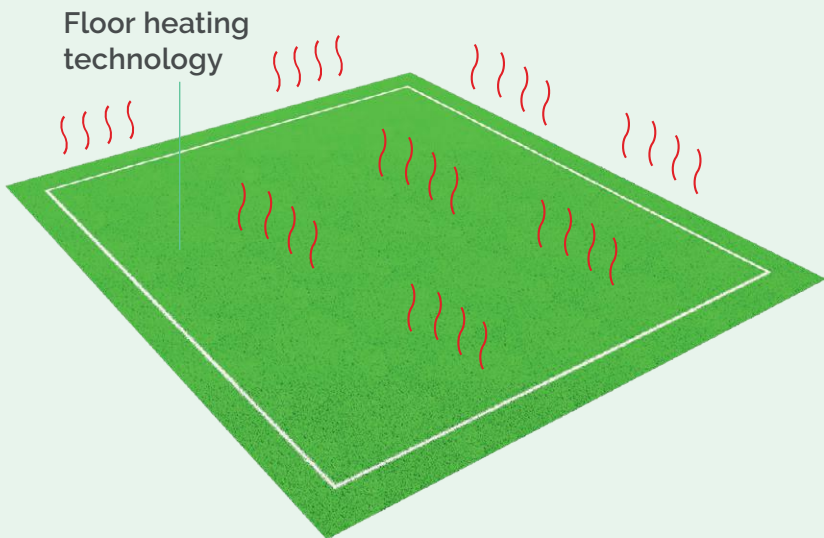
## NPG Warmzone,

### 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 CO<sub>2</sub>eq/m<sup>2</sup>



Energy demand:  
130 W/m<sup>2</sup>



20 mm  
cut pile



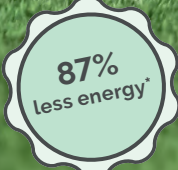
Installation-free  
with anti-slip backside



1 color  
options



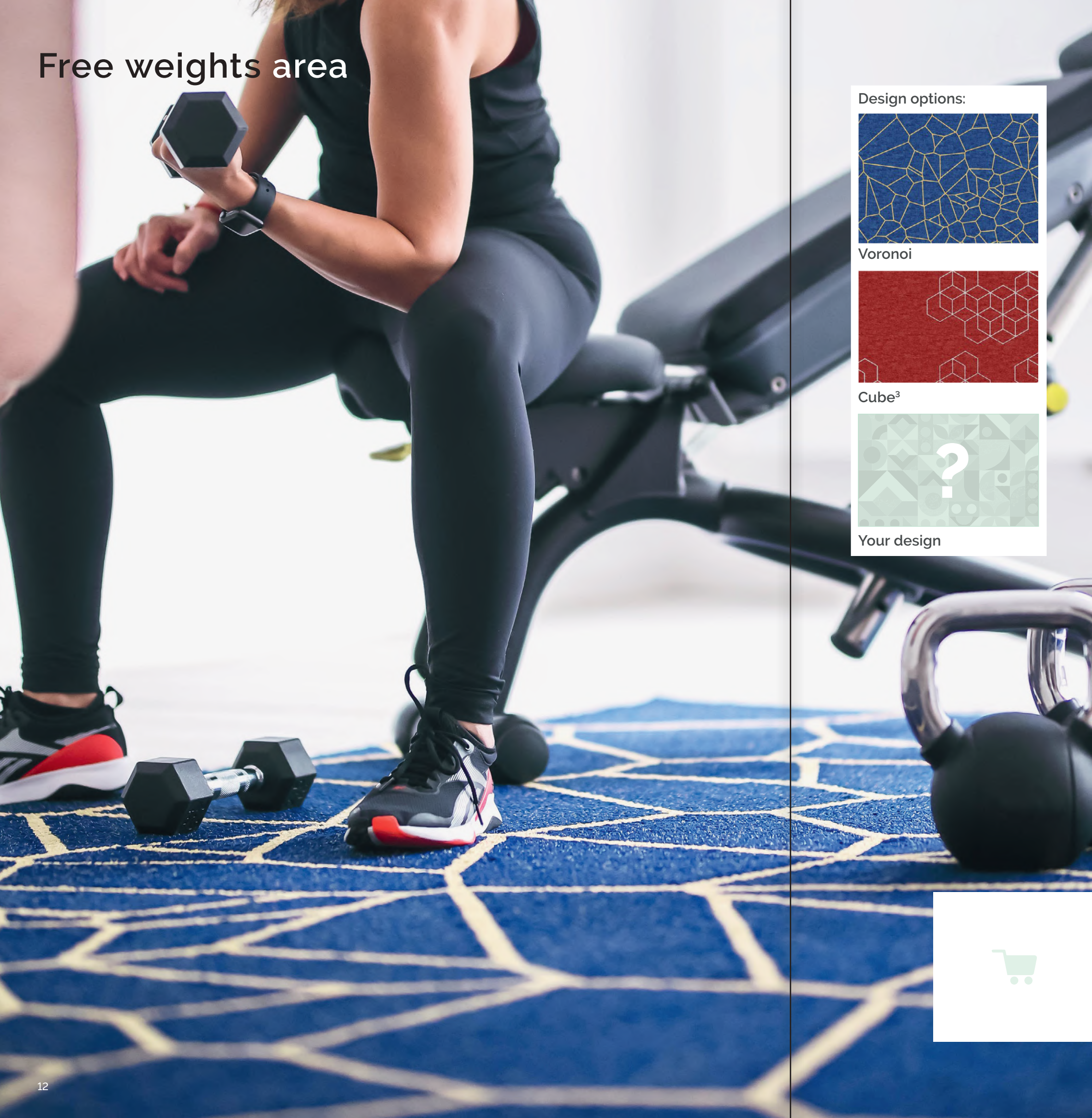
Ultra-soft straight and  
texturized PE yarn



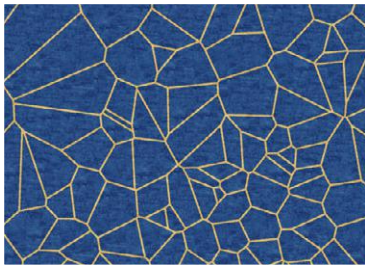
\*see page 22



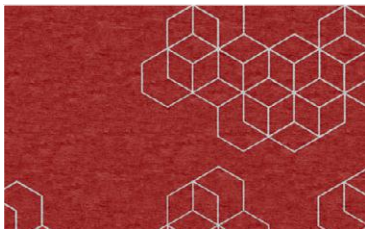
# Free weights area



Design options:



Voronoi



Cube³



Your design

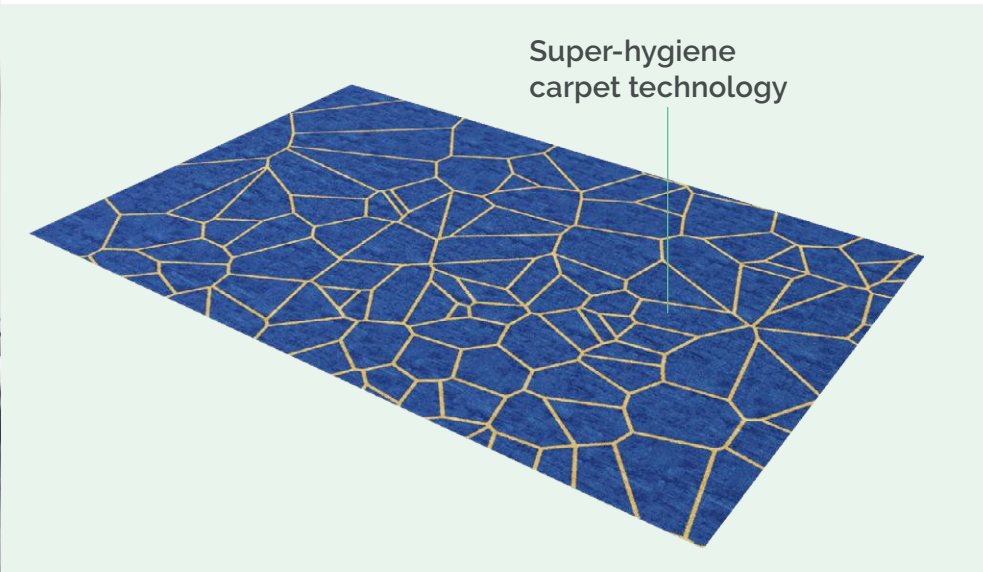
## NPG Premium Mat

### 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 CO<sub>2</sub>eq/m<sup>2</sup>



10 mm  
loop pile



Installation-free  
with anti-slip backside



4 color  
options



Recycled  
polyamide yarn





# Functional fitness area



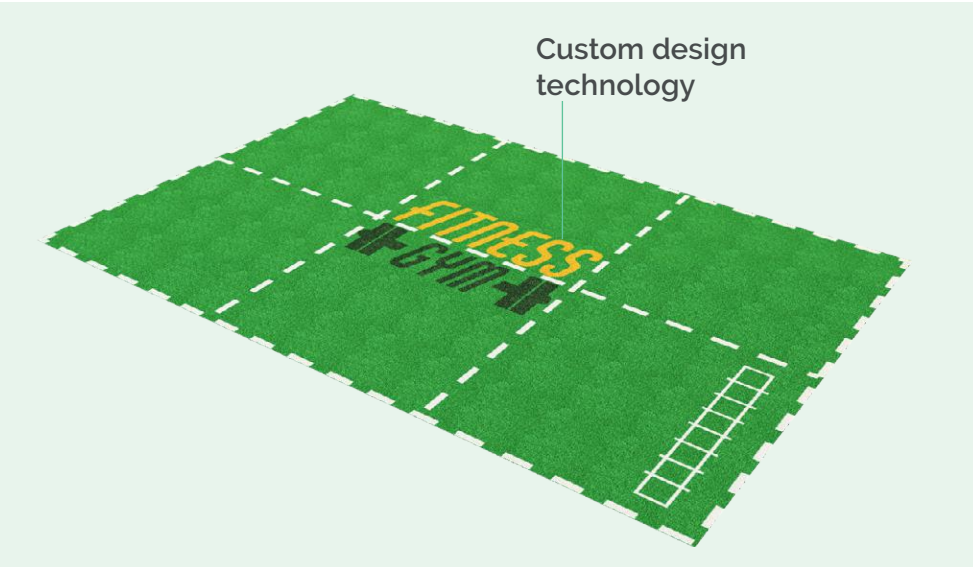
## NPG Crossturf

### 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 CO<sub>2</sub>eq/m<sup>2</sup>



12 mm  
cut pile



Installation with  
double-sided tape



6 color  
options



Texturized PE yarn





# Outdoor Fitness Areas



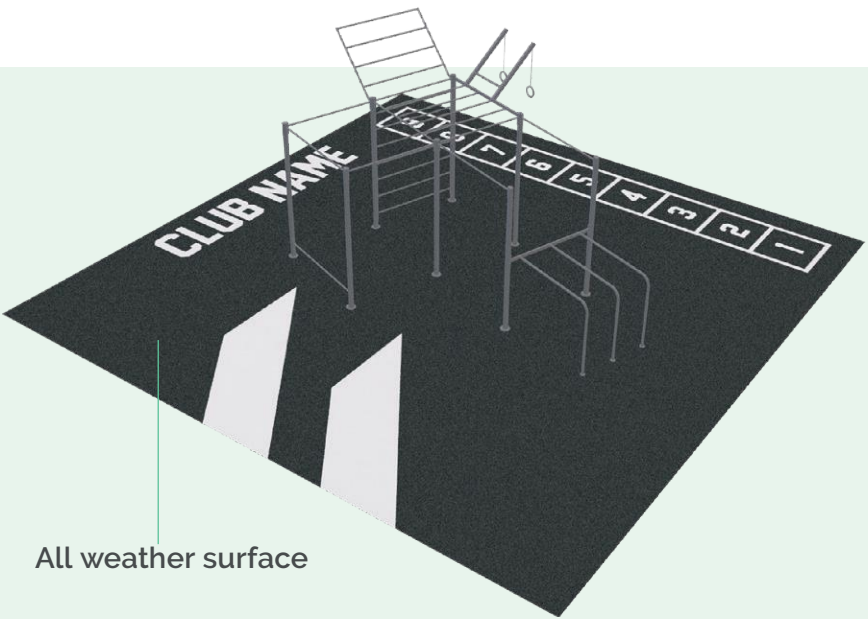
## NPG Outdoorurf

### 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.



CARBON  
FOOTPRINT  
**12,3**  
kg CO<sub>2</sub>eq/m<sup>2</sup>



25 mm  
cut pile



Installation with  
double-sided tape



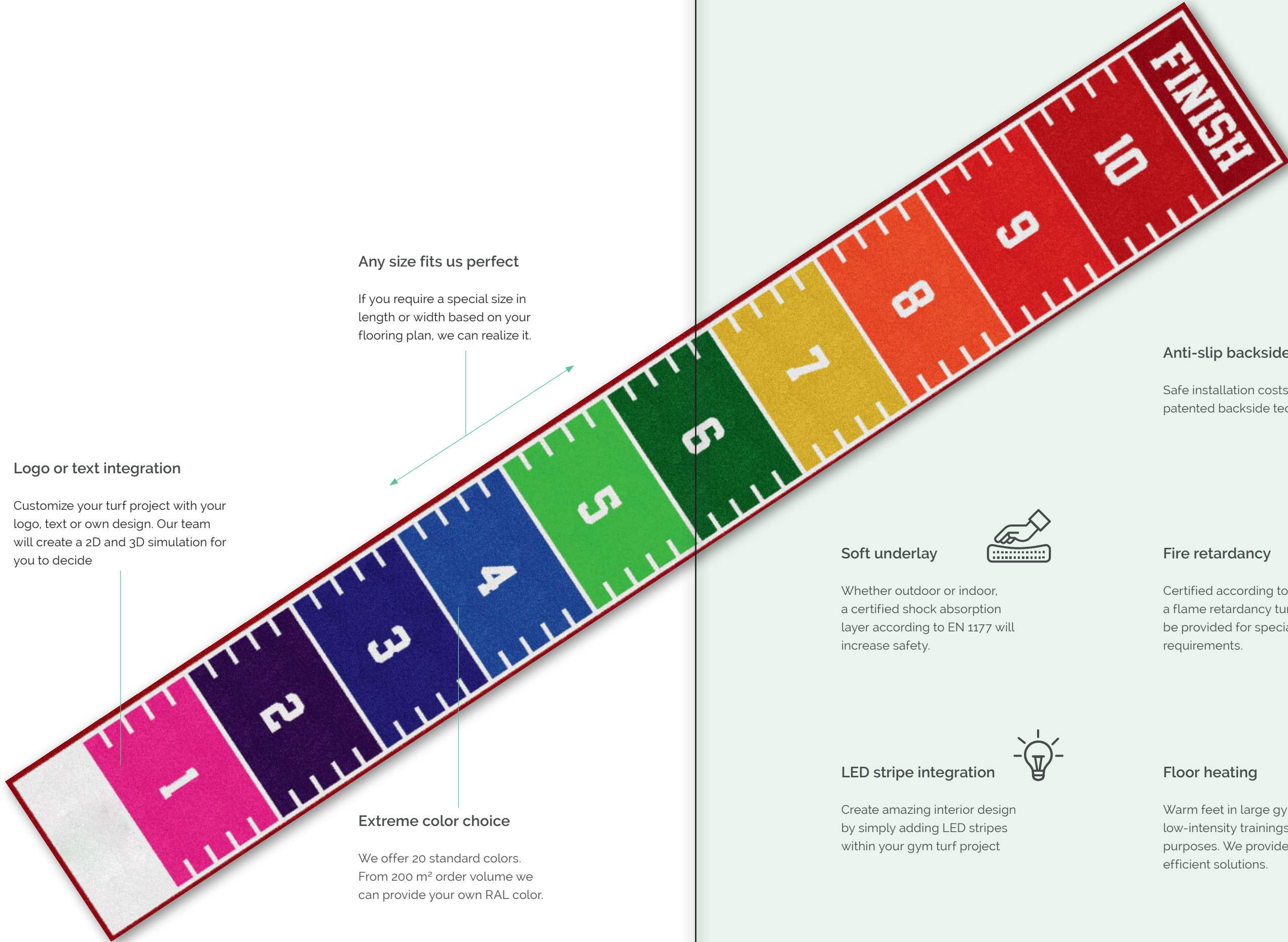
6 color  
options



Reinforced  
texturized PE yarn



# Configuration Options



## 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

## Any size fits us perfect

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

## Extreme color choice

We offer 20 standard colors. From 200 m<sup>2</sup> 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

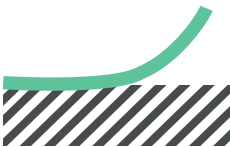


## Enable re-usability of speedtracks



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



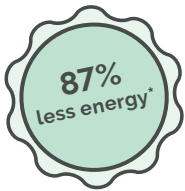
### Zonal heating areas

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



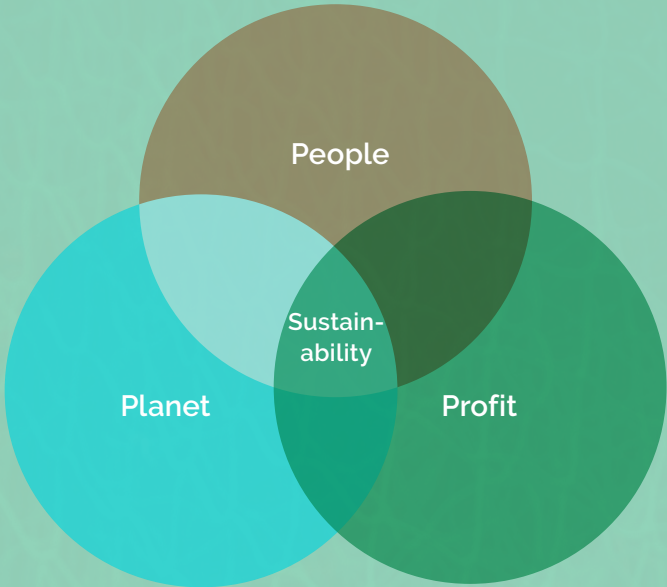
\*Energy savings:  
Average 20 m<sup>2</sup> room vs. 6 m<sup>2</sup> NPG Warmzone (usage time: 6h/day)

Standard Room	NPG Warmzone
3800 kWh/year	485 kWh/year
760 kg CO <sub>2</sub> eq/year	24 kg CO <sub>2</sub> 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<sup>®</sup>FLOOR



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

