

# FITNESS TILE CONNECT

DATASHEET

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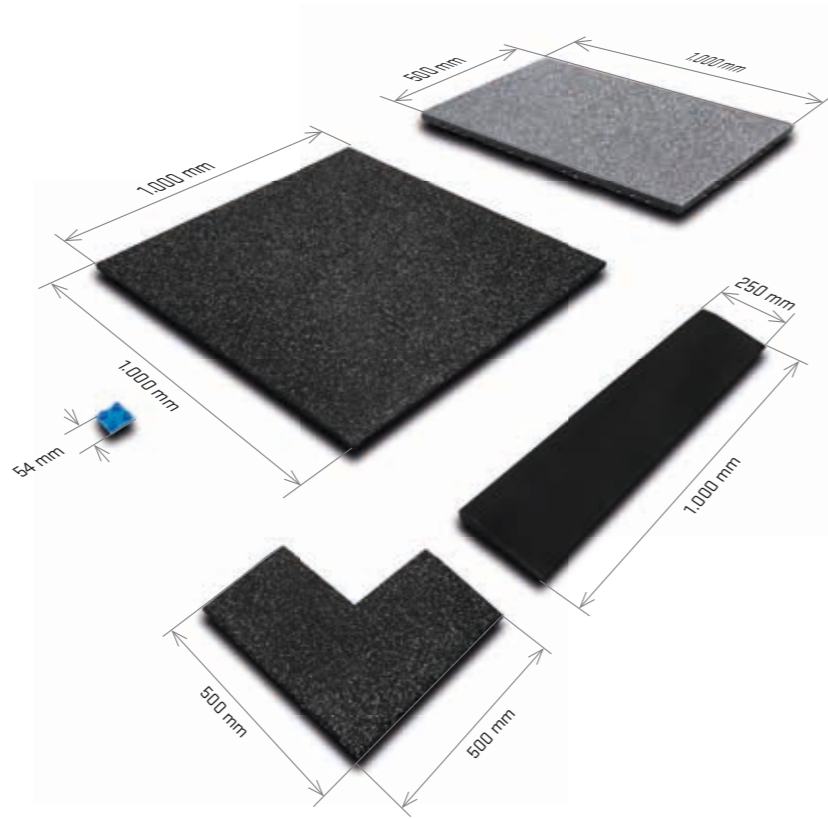
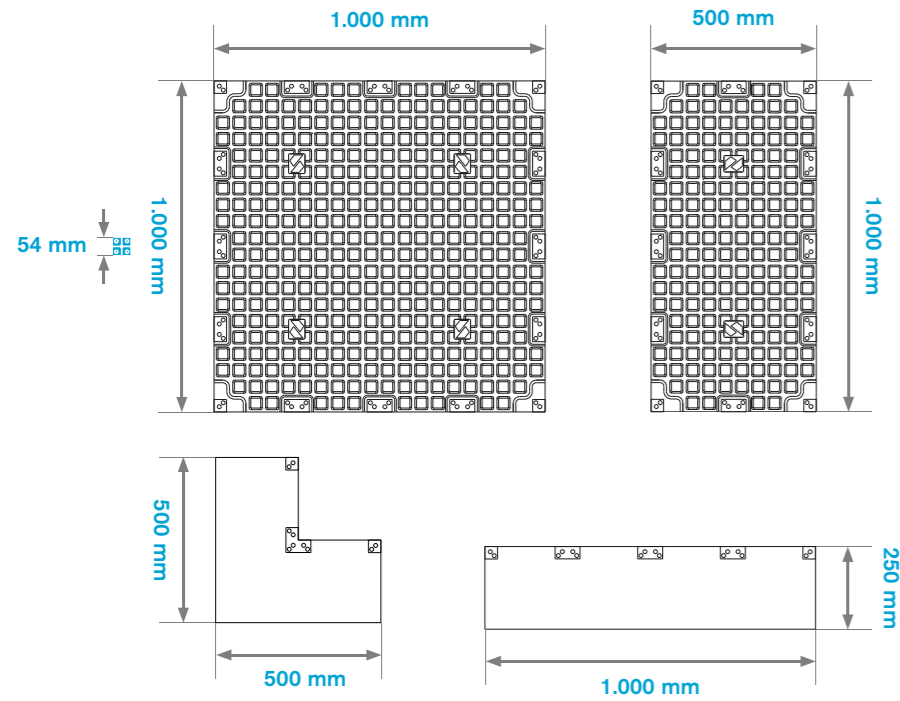
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## I. DIMENSIONS & COLOURS

Ensuring our products remain easy to install, we kept the 30 mm and 40 mm thick square tiles at a size of 500 x 1.000 mm. Our tiles of 20 mm thickness are double the size, they have a dimension of 1.000 x 1.000 mm.

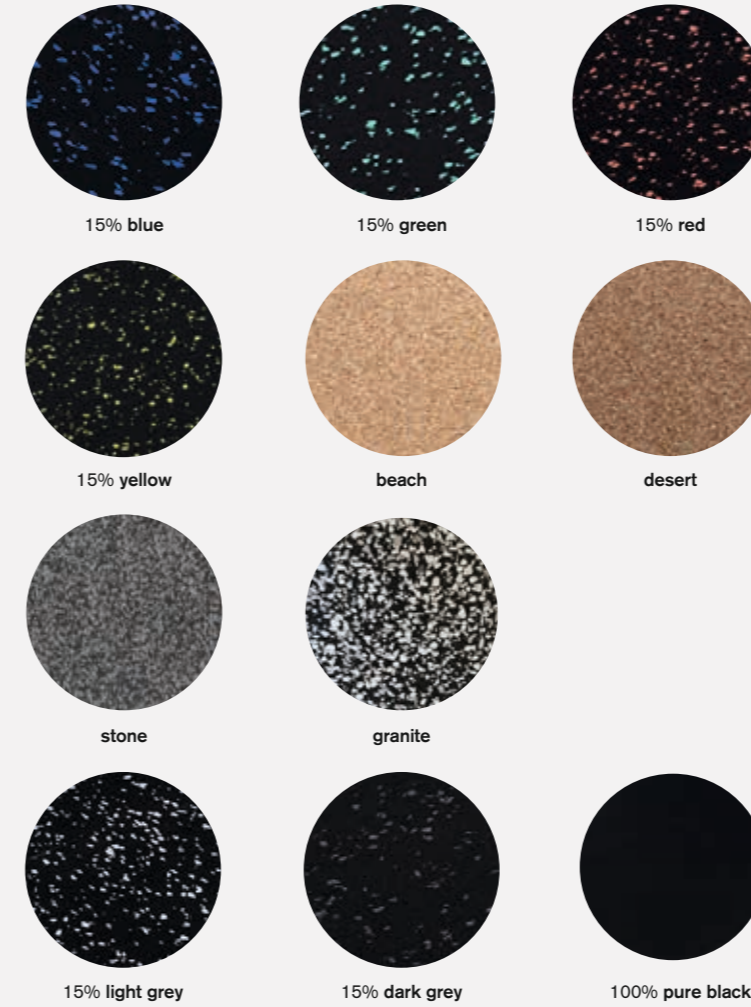
The matching ramps and corners add 250 mm to the total width and are available in 20, 30 and 40 mm thicknesses.

### DIMENSIONS



## WIDE RANGE OF COLOURS

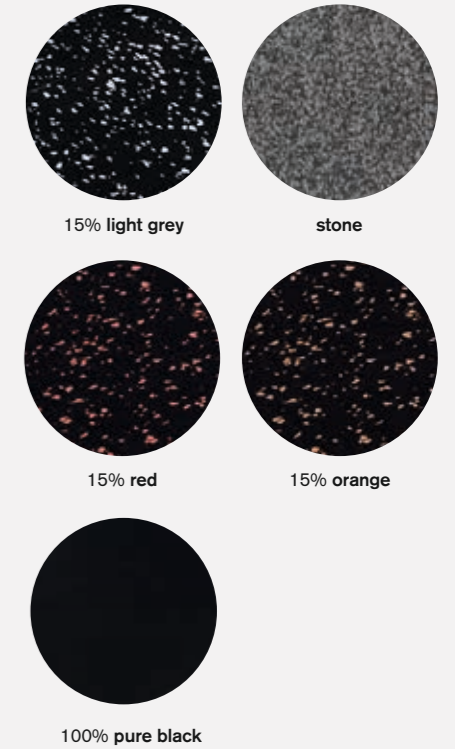
### 20 MM THICKNESS



### 30 MM THICKNESS

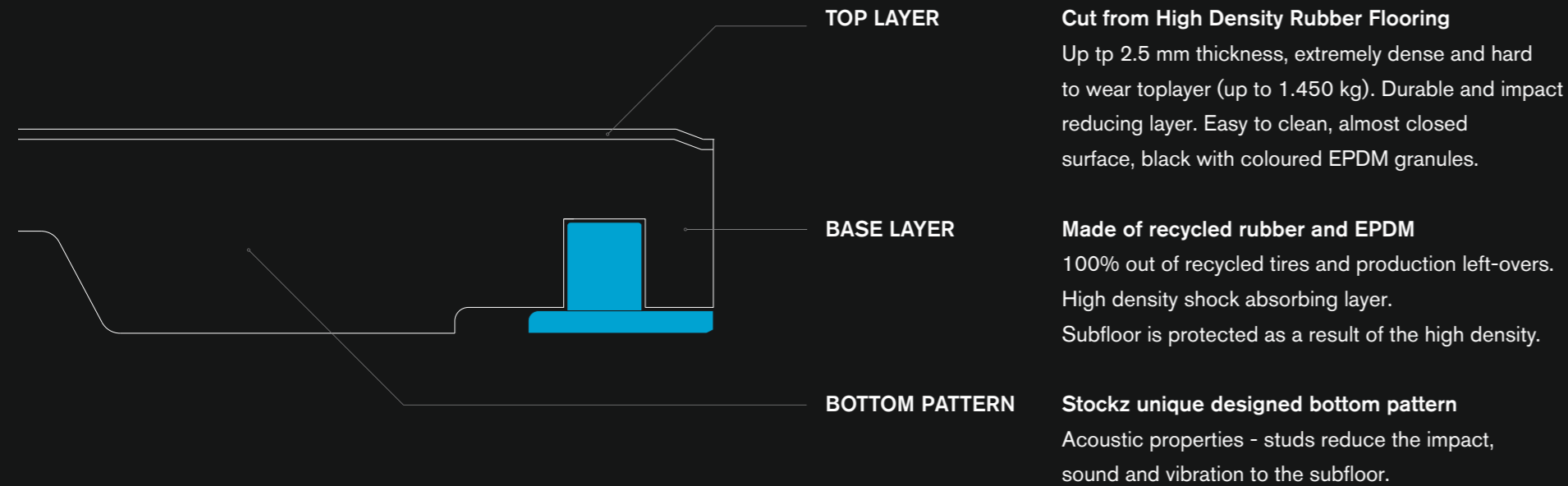


### 40 MM THICKNESS



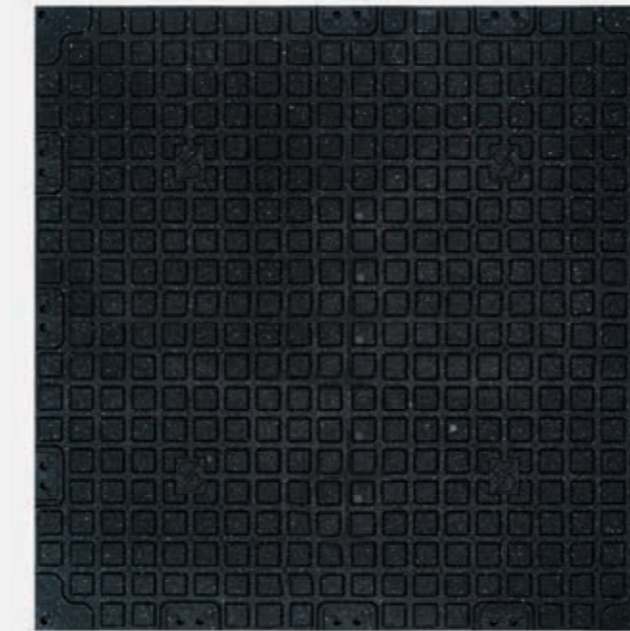
## II. FITNESS TILE CONNECT

The **Fitness Tiles Connect** is highly durable and tough. The extremely dense toplayer provides sufficient impact protection against the continuous dropping of heavy freeweights. The sublayer and purpose designed bottom structure will absorb noise whilst also providing additional protection to the sublayer or screed. These tiles can even be laid on top of existing floor coverings and are very easy to install using the unique connector system. Next to convenience, using connectors also has aesthetic and hygiene advantages as it creates nearly invisible joints.

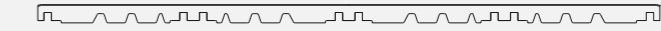


## THE BOTTOM

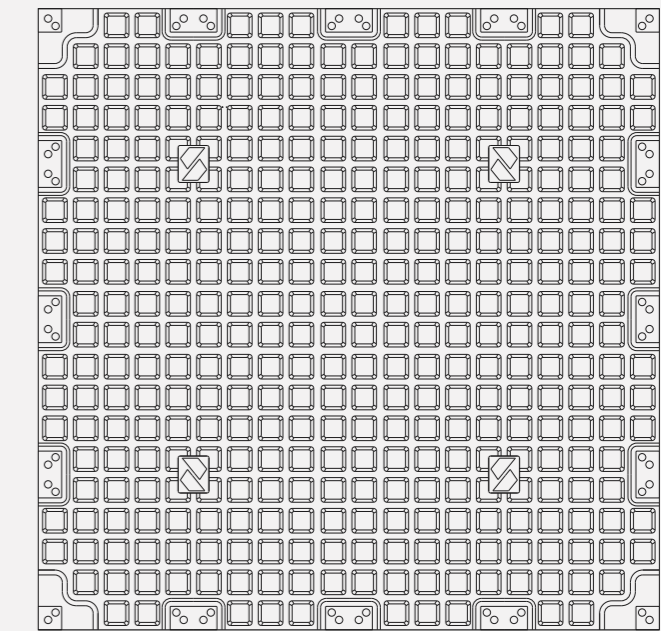
Our impact bottom, designed for shock absorption and reducing impact sound. The pattern on the bottom holds holes for the connector system. The tiles are manufactured in a single process which vulcanizes the top layer onto the bottom in one step.



SIDE VIEW



BOTTOM VIEW

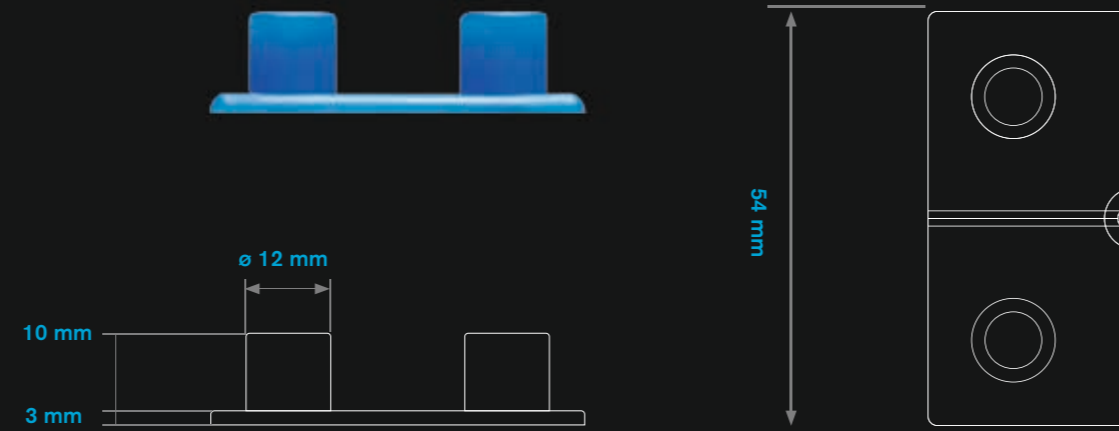


**IMAGE** Fitness Tile Connect - 1.000 x 1.000 mm

### III. CONNECTORS

The Fitness Tiles can be installed easily by using the connector system, there is no need to glue these. Edges can be covered with a stainless steel or aluminium profile.

The tiles can easily be cut to the right size using a handknife, for which we recommend to use hollow knives. Use a rubber hammer to close the joints .



### THE CONNECTOR SYSTEM

A connector is positioned at intervals of 20 centimeters, resulting in an average utilization of 7 connectors per square meter tile and 5 connectors per half-square meter tile. This, coupled with our connectors' construction from PolyPropylene, guarantees secure tile placement once connected.

This yields an outstanding free-floating system, accomplished without the need for adhesive or intricate installation techniques.

SIDE VIEW + CONNECTORS



BOTTOM VIEW + CONNECTORS

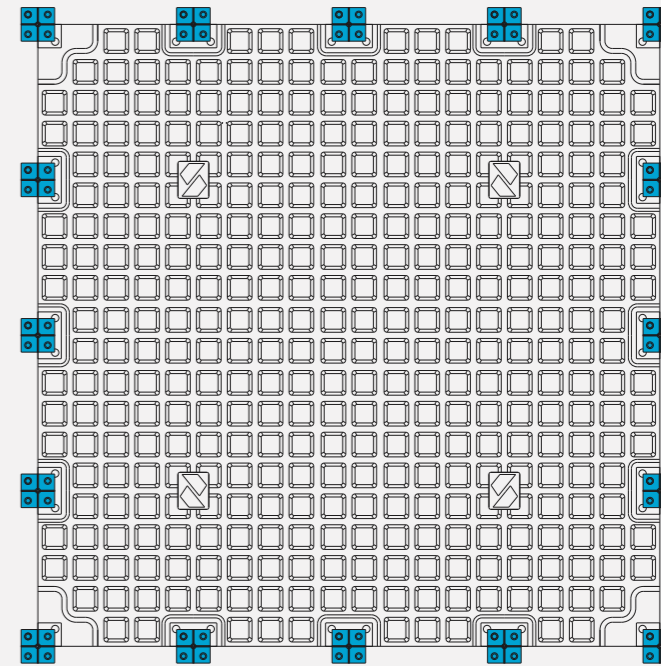


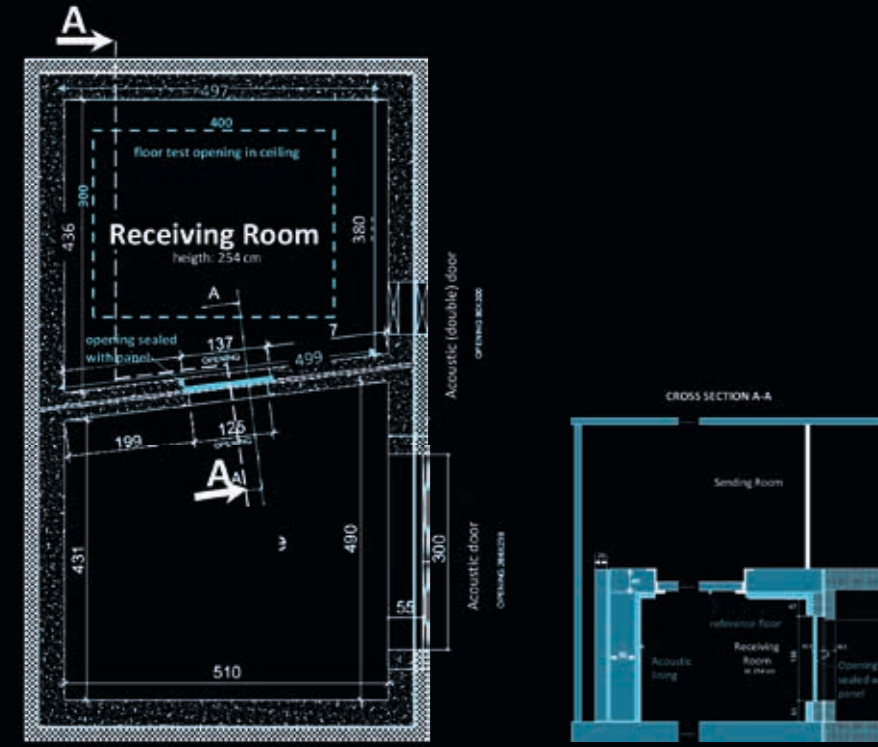
IMAGE Fitness Tile Connect - 1.000 x 1.000 mm + CONNECTORS

## IV. NOISE REDUCTION

One of the most common complaints about fitness facilities, coming from both members as neighbours, is that sound and vibration travels further and more intense than people feel comfortable with. Cautiously made decisions with regards to particularly your performance areas can play a pivotal role in the success of your business.

We have worked hard to create the ideal solution for maximum sound reduction, whilst also making sure not to add unreasonable extra costs to this product.

Our Fitness Connect Tiles were purposely engineered with a unique structured bottom which minimizes contact with the subfloor. Together with the tiles' composition and construction it intercepts, absorbs and disperses sound and vibration.



The test rooms meet the requirements of ISO 10140-5  
Both rooms are isolated for vibrations by using a so called room-in-room construction.

## CERTIFIED NOISE REDUCING CAPABILITES

In order to solidify our findings, we have partnered up with an acoustics laboratory accredited according to NBN EN ISO 17025:2005, to execute a test for measurement of the reduction of impact noise by a floating floor system on a heavyweight standard floor.

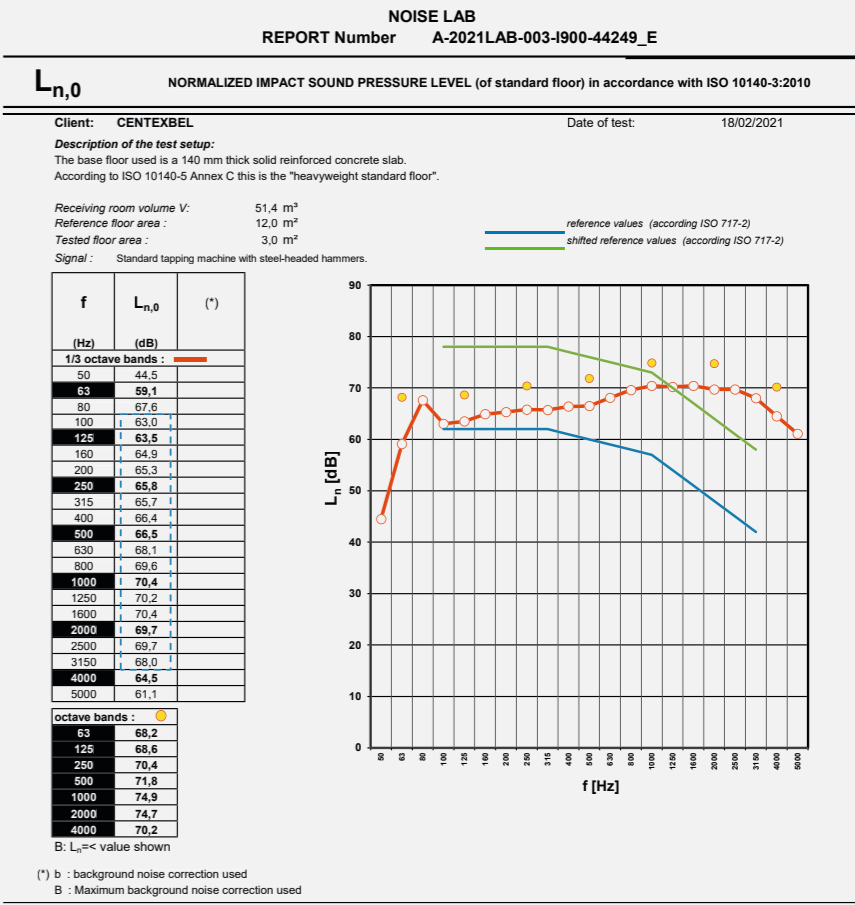
The full report can be provided on request.

Summarizing the report, using our **Fitness Connect Tiles**, leads to the following results:

20 MM THICKNESS **21 DB REDUCTION\***

30 MM THICKNESS **24 DB REDUCTION**

\*20 MM THICKNESS + 20 MM COMPOSITE FOAM **28 DB REDUCTION**



**DESCRIPTION OF THE TEST SETUP:**  
The base floor used is a 140 mm thick solid reinforced concrete slab.  
According to ISO 10140-5 Annex C this is the „heavyweight standard floor“.

No. of test report: SONI893  
Name of test institute: Daidalos Peutz  
Date: 18/02/2021

### V. BENEFITS



**EASY TO CLEAN**



**EASY TO INSTALL**



**EXTENSIVE 5 YEAR WARRANTY**



**ACOUSTIC QUALITIES**

## 01. FIFTEEN

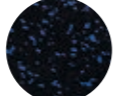
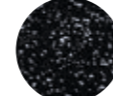
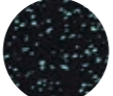
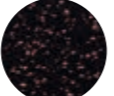
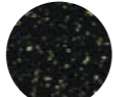

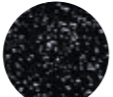

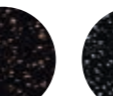
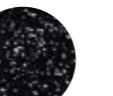
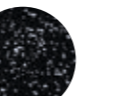

The Fitness Tile Connect FIFTEEN's toplayer consists of **85% SBR** and holds **15% coloured EPDM**.

### SPECIFICATIONS

<b>Bulk density toplayer</b>	Approx. 1.050 kg/m <sup>3</sup>
<b>Bulk density sublayer</b>	Approx. 1.000 kg/m <sup>3</sup>
<b>Tolerances</b>	+/- 1,5 %
<b>Sound insulation</b> <small>Certified Noise Reducing</small>	20mm 21dB reduction 30mm 24d dB reduction 40mm not specified
<b>Shock Absorption</b>	EN 14808 61%
<b>Vertical deformation</b>	EN 14809 5 mm
<b>Head injury criteria (HIC) test</b>	EN 1177 1,5 m at 50 mm thickness
<b>EU fire classification</b>	EF1
<b>Dynamic coefficient of friction</b>	Dry slip resistance
<b>Thermal resistance</b>	0,16 m <sup>2</sup> . K/W
<b>Additional</b>	Compliance with content of pentachlorophenol Antistatic floor covering

### COLOURS

### Dimensions & Thickness

Dimension	1000 x 1000 mm	500 x 1000 mm
20 mm	 15% blue	 15% light grey
	 15% green	
	 15% red	
30 mm	 15% yellow	 15% light grey
	 15% light grey	
	 15% darkgrey	
40 mm	 15% orange	 15% light grey
	 15% light grey	
	 15% red	











## 02. PURE BLACK

The Fitness Tile Connect PURE BLACK consists of **100% SBR**

### SPECIFICATIONS

<b>Bulk density toplayer</b>	Approx. 1.050 kg/m <sup>3</sup>
<b>Bulk density sublayer</b>	Approx. 1.000 kg/m <sup>3</sup>
<b>Tolerances</b>	+/- 1,5 %
<b>Sound insulation</b> <small>Certified Noise Reducing</small>	20mm 21dB reduction 30mm 24d dB reduction 40mm not specified
<b>Shock Absorption</b>	EN 14808 61%
<b>Vertical deformation</b>	EN 14809 5 mm
<b>Head injury criteria (HIC) test</b>	EN 1177 1,5 m at 50 mm thickness
<b>EU fire classification</b>	EF1
<b>Dynamic coefficient of friction</b>	Dry slip resistance
<b>Thermal resistance</b>	0,16 m <sup>2</sup> . K/W
<b>Additional</b>	Compliance with content of pentachlorophenol Antistatic floor covering

### COLOURS Dimensions & Thickness

Dimension	1000 x 1000 mm	500 x 1000 mm
20 mm	 100% pure black	 100% pure black
30 mm		 100% pure black
40 mm		 100% pure black

## 03. 70% EPDM

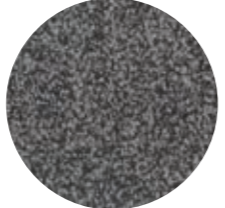

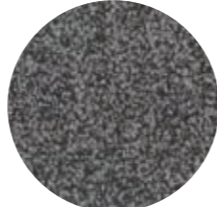
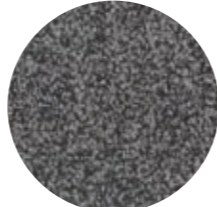
The Fitness Tile Connect 70% EPDM consists of **70% coloured EPDM**.

### SPECIFICATIONS

Bulk density toplayer	Approx. 1.350 kg/m <sup>3</sup>
Bulk density sublayer	Approx. 1.000 kg/m <sup>3</sup>
Tolerances	+/- 1,5 %
Sound insulation <small>Certified Noise Reducing</small>	20mm 21dB reduction 30mm 24d dB reduction 40mm not specified
Shock Absorption	EN 14808 61%
Vertical deformation	EN 14809 5 mm
Head injury criteria (HIC) test	EN 1177 1,5 m at 50 mm thickness
EU fire classification	Dfl
Dynamic coefficient of friction	Dry slip resistance
Thermal resistance	0,16 m <sup>2</sup> . K/W
Additional	Compliance with content of pentachlorophenol Antistatic floor covering

### COLOURS

### Dimensions & Thickness

Dimension	1000 x 1000 mm	500 x 1000 mm
20 mm	 Stone	 Granite
30 mm	 Stone	
40 mm	 Stone	

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The Habit (Frankfurt, Germany)  
70% EPDM stone midgrey

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Special Honeycomb

## 04. SPECIALS

The toplayer of the Fitness Tile Connect DESERT and BEACH consists of a *mix between EPDM and shoe production leftovers*.

### SPECIFICATIONS

<b>Bulk density toplayer</b>	Approx. 1.450 kg/m <sup>3</sup>
<b>Bulk density sublayer</b>	Approx. 1.000 kg/m <sup>3</sup>
<b>Tolerances</b>	+/- 1,5 %
<b>Sound insulation</b> <small>Certified Noise Reducing</small>	20mm 21dB reduction 30mm 24d dB reduction 40mm not specified
<b>Shock Absorption</b>	EN 14808 61%
<b>Vertical deformation</b>	EN 14809 5 mm
<b>Head injury criteria (HIC) test</b>	EN 1177 1,5 m at 50 mm thickness
<b>Dynamic coefficient of friction</b>	Dry slip resistance
<b>Thermal resistance</b>	0,16 m <sup>2</sup> . K/W
<b>Additional</b>	Compliance with content of pentachlorophenol Antistatic floor covering

### COLOURS

### Dimensions & Thickness

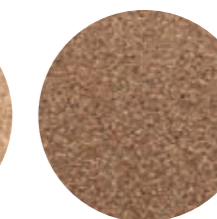
Dimension

1000 x 1000 mm

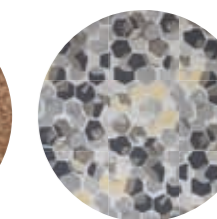
20 mm



beach



desert



honeycomb

## 05. RAMPS


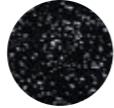


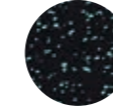
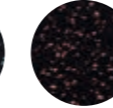
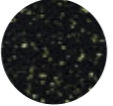
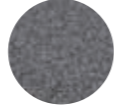




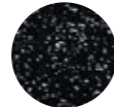

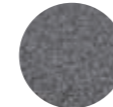

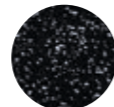
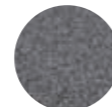
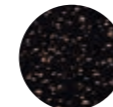
The Fitness Tile Connect RAMPS are available in **100% pure black** and with **15% coloured EPDM**.

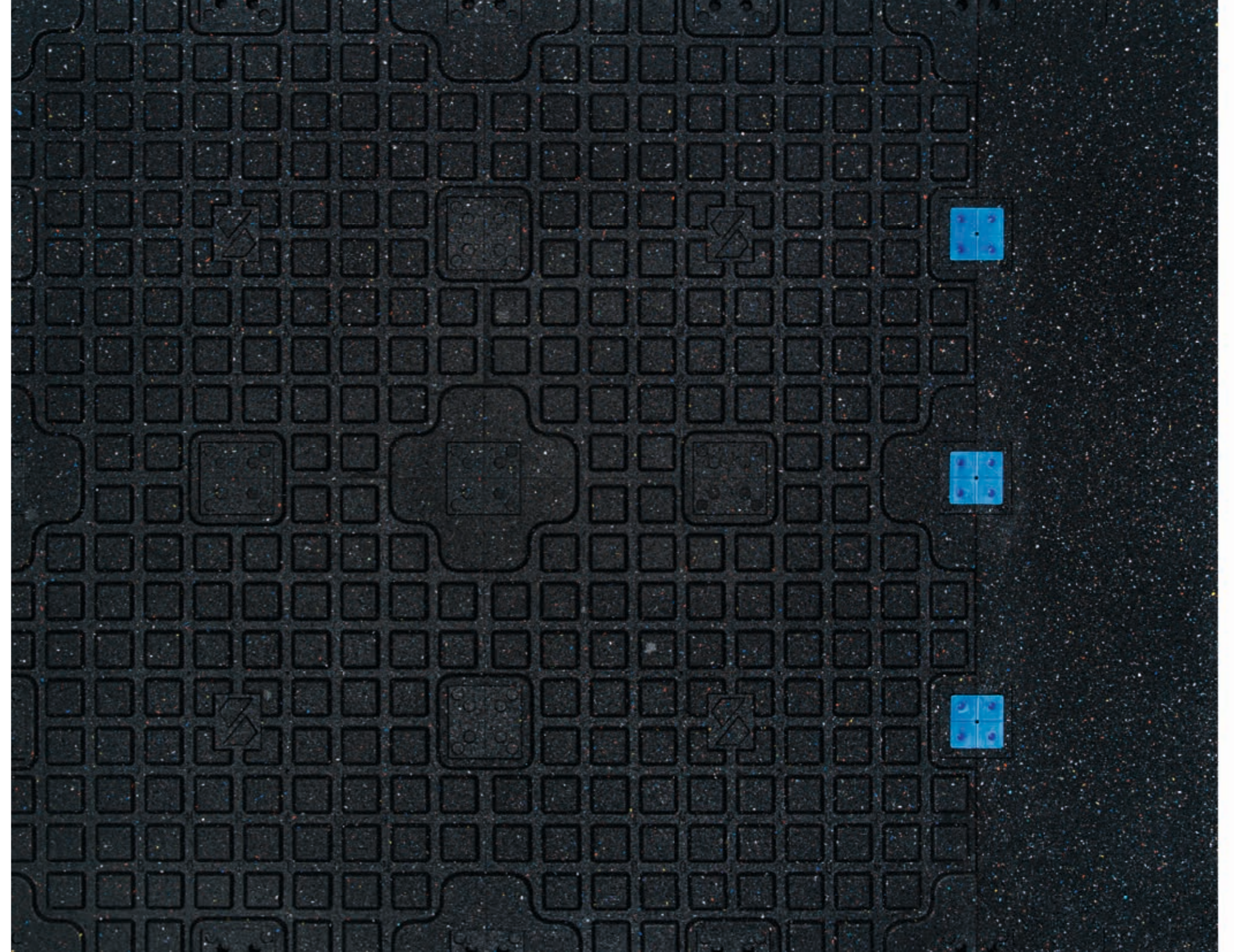
### SPECIFICATIONS

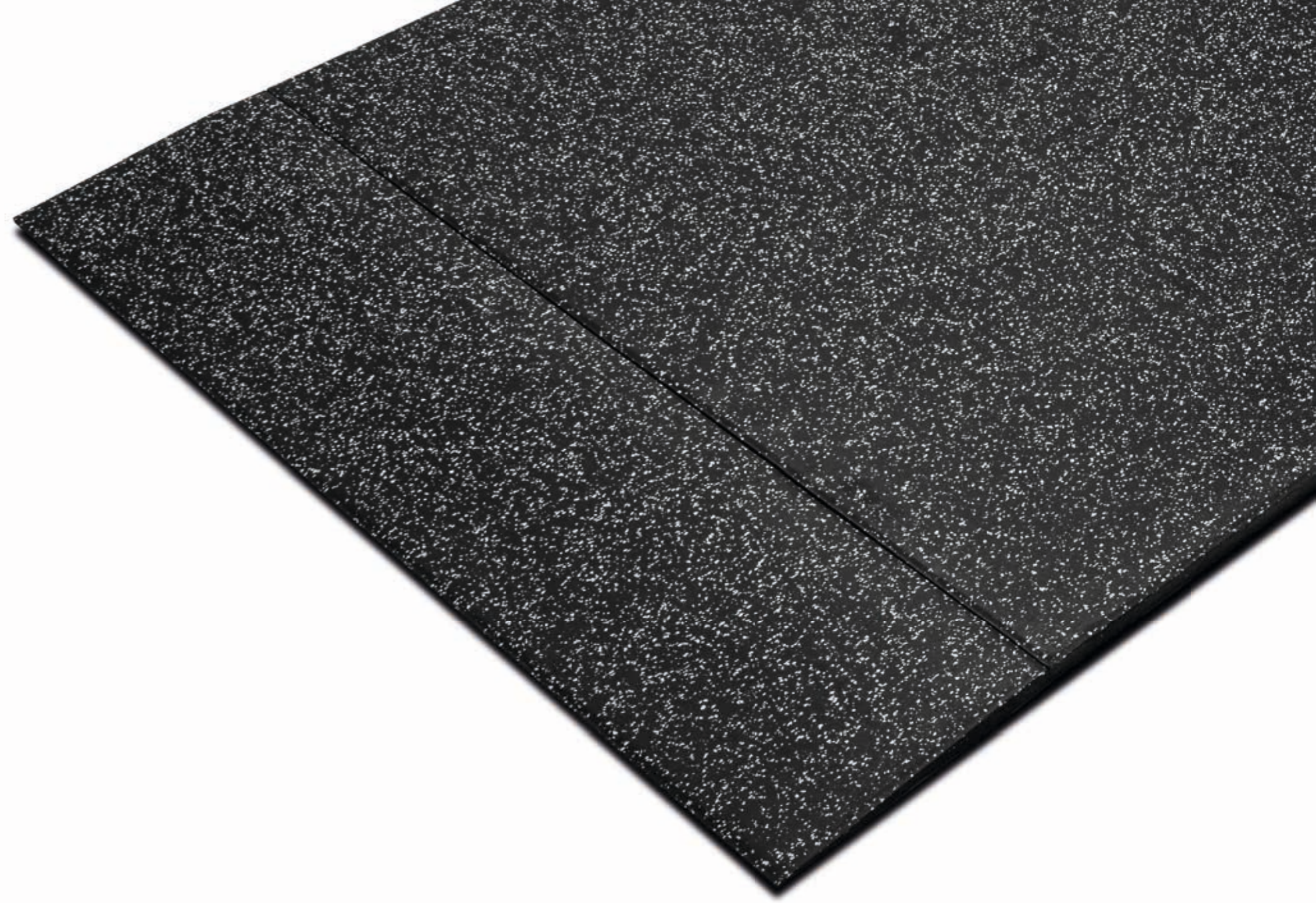
<b>Bulk density toplayer</b>	From approx. 1.050 kg/m <sup>3</sup> up to 1.450 kg/m <sup>3</sup>
<b>Bulk density sublayer</b>	Approx. 1.000 kg/m <sup>3</sup>
<b>Tolerances</b>	+/- 1,5 %
<b>Sound insulation</b> <small>Certified Noise Reducing</small>	20mm 21dB reduction 30mm 24d dB reduction 40mm not specified
<b>Shock Absorption</b>	EN 14808 61%
<b>Vertical deformation</b>	EN 14809 5 mm
<b>Head injury criteria (HIC) test</b>	EN 1177 1,5 m at 50 mm thickness
<b>EU fire classification</b>	EF1
<b>Dynamic coefficient of friction</b>	Dry slip resistance
<b>Thermal resistance</b>	0,16 m <sup>2</sup> . K/W
<b>Additional</b>	Compliance with content of pentachlorophenol Antistatic floor covering

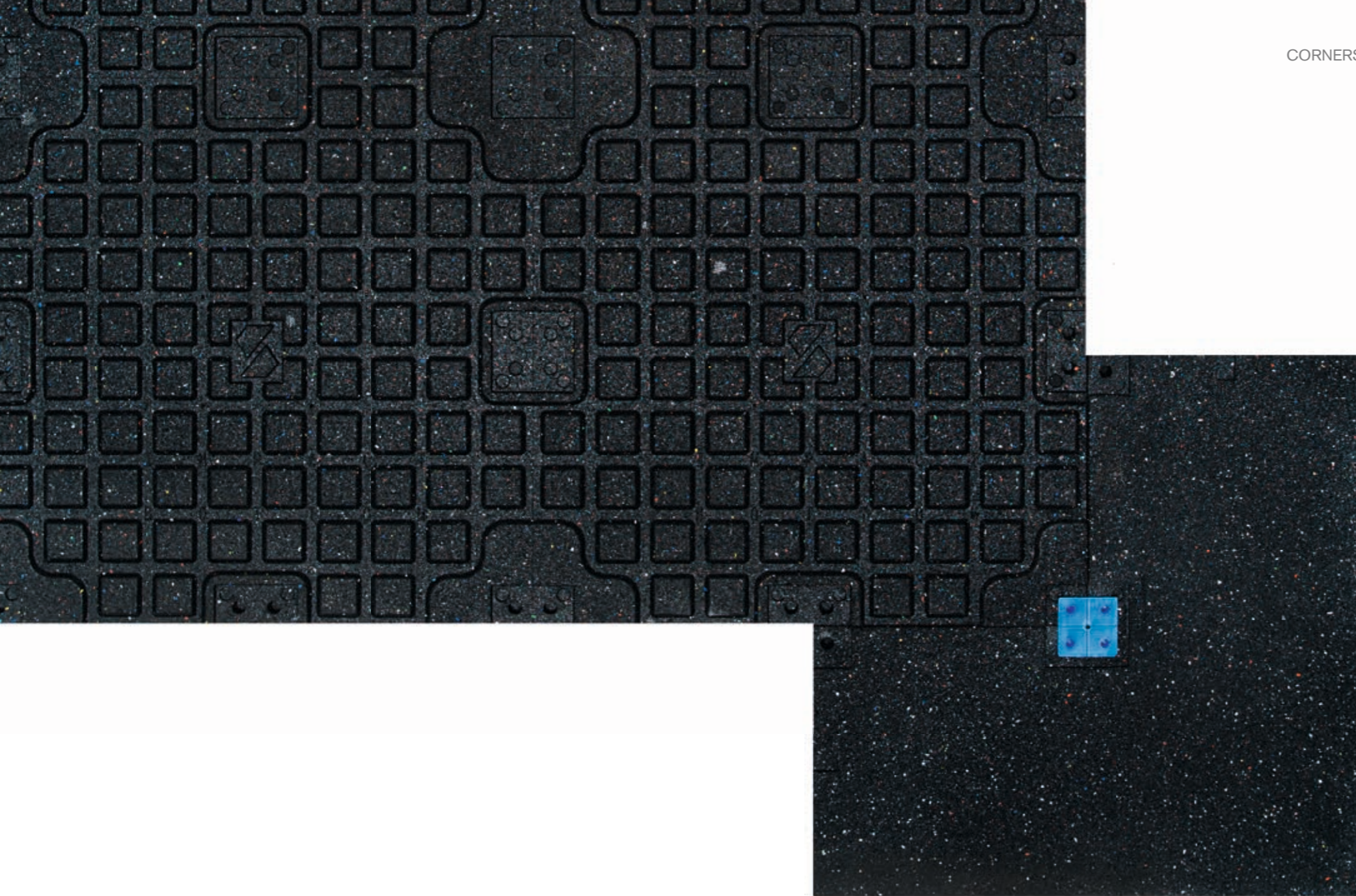
### COLOURS

#### Dimensions & Thickness

Dimension	250 x 1.000 mm					
20 mm						
	pure black	15% light grey	15% dark grey	15% blue	15% green	15% red
30 mm						
	15% yellow	stone	granite	beach	desert	
40 mm						
	pure black	15% light grey	15% dark grey	stone		
40 mm						
	pure black	15% light grey	stone	15% orange		







## 06. CORNERS


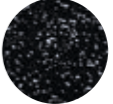

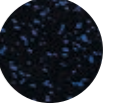
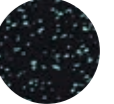

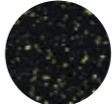
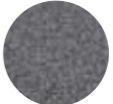




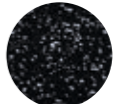

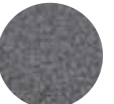

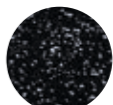
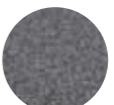

The Fitness Tile Connect CORNERS are available in **100% pure black** and with **15% coloured EPDM**.

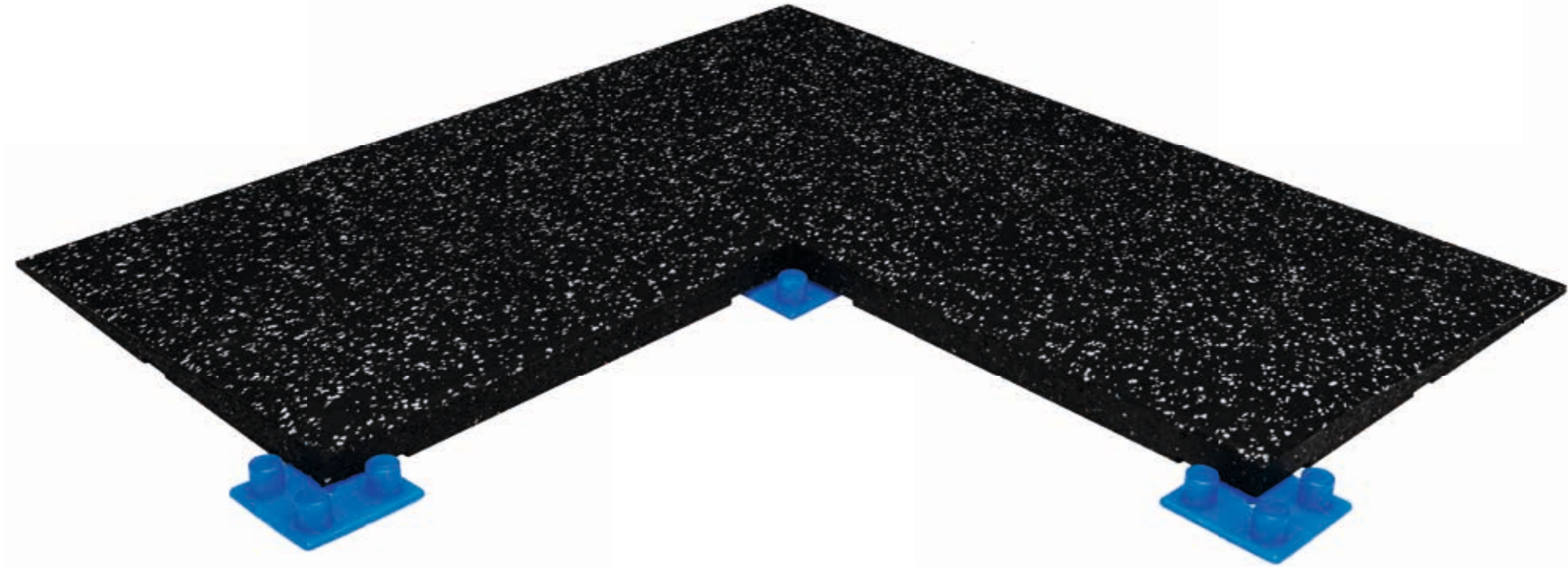
### SPECIFICATIONS

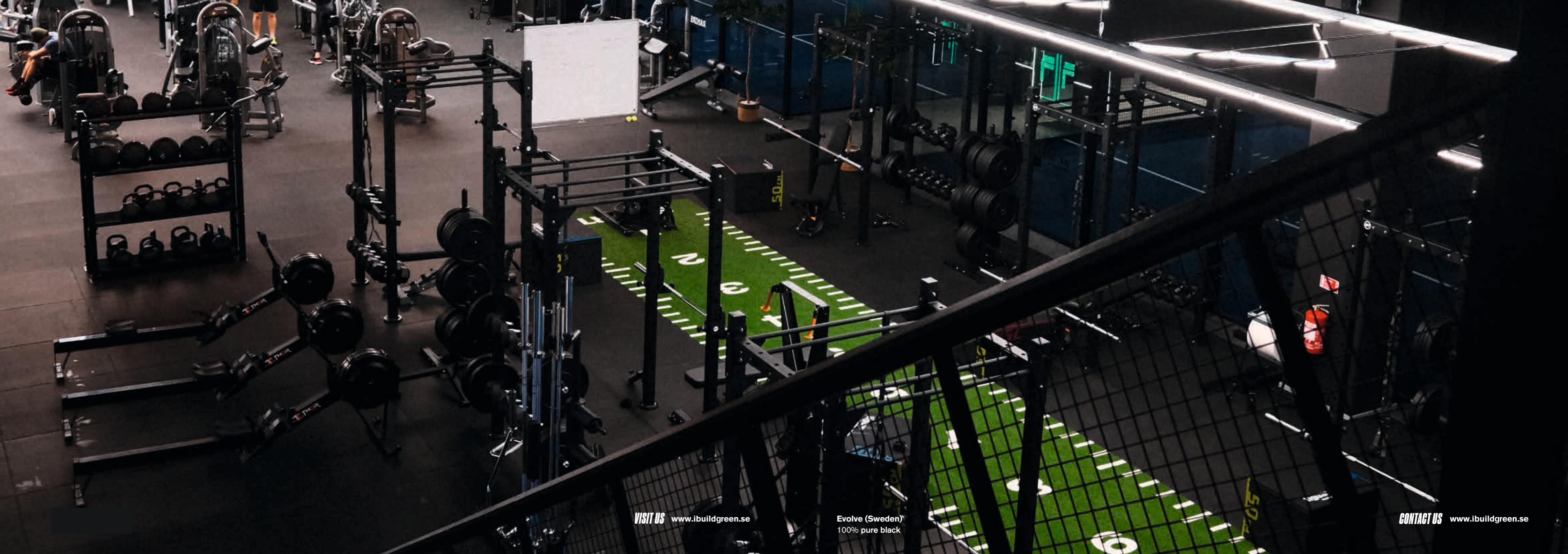
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<b>Thermal resistance</b>	0,16 m <sup>2</sup> . K/W
<b>Additional</b>	Compliance with content of pentachlorophenol Antistatic floor covering

### COLOURS

### Dimensions & Thickness

Dimension	500 x 500 mm					
20 mm						
	pure black	15% light grey	15% dark grey	15% blue	15% green	15% red
30 mm						
	15% yellow	stone	granite	beach	desert	
40 mm						
	100% pure black	15% light grey	15% dark grey	stone		
40 mm						
	100% pure black	15% light grey	stone	15% orange		





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Evolve (Sweden)  
100% pure black

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**THANK YOU**