

iBuildGreen  
ECO SOLUTIONS

# STANDARD FITNESS TILE

DATASHEET

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# CUSTOMER CARE COMES FIRST!

iBuildGreen is founded in 2015 by two ambitious entrepreneurs. They recognized that too often fitness flooring was seen as an afterthought, which lead to various issues such as:

- Missed opening dates because of untimely deliveries;
- Quality issues because of incorrect decisions on what product to lay in which area of the health club;
- Budget challenges because of significant overspending due to urgency;

Large European rubber flooring manufacturers were not organized to deliver smaller, steady supplies at the right quality and level service to an industry so specific with its demands and wishes as the fitness industry.

iBuildGreens differentiates its self by being able to deliver a vast range of high quality rubber floor coverings, directly from stock, at a competitive level!

We also pride ourselves in the fact that we contribute significantly to the circular economy; our rubber products consist almost exclusively of recycled car and truck tires.

We stock products such as:

- Sportsflooring by roll
- Fitness tiles
- SBR playground tiles
- Various rubber granulate underlay solutions
- Tile carriers
- Anti-slip mats for load securing
- Foam from recycled mattresses
- Various other technical products made from crumb rubber and/or vulcanized rubber

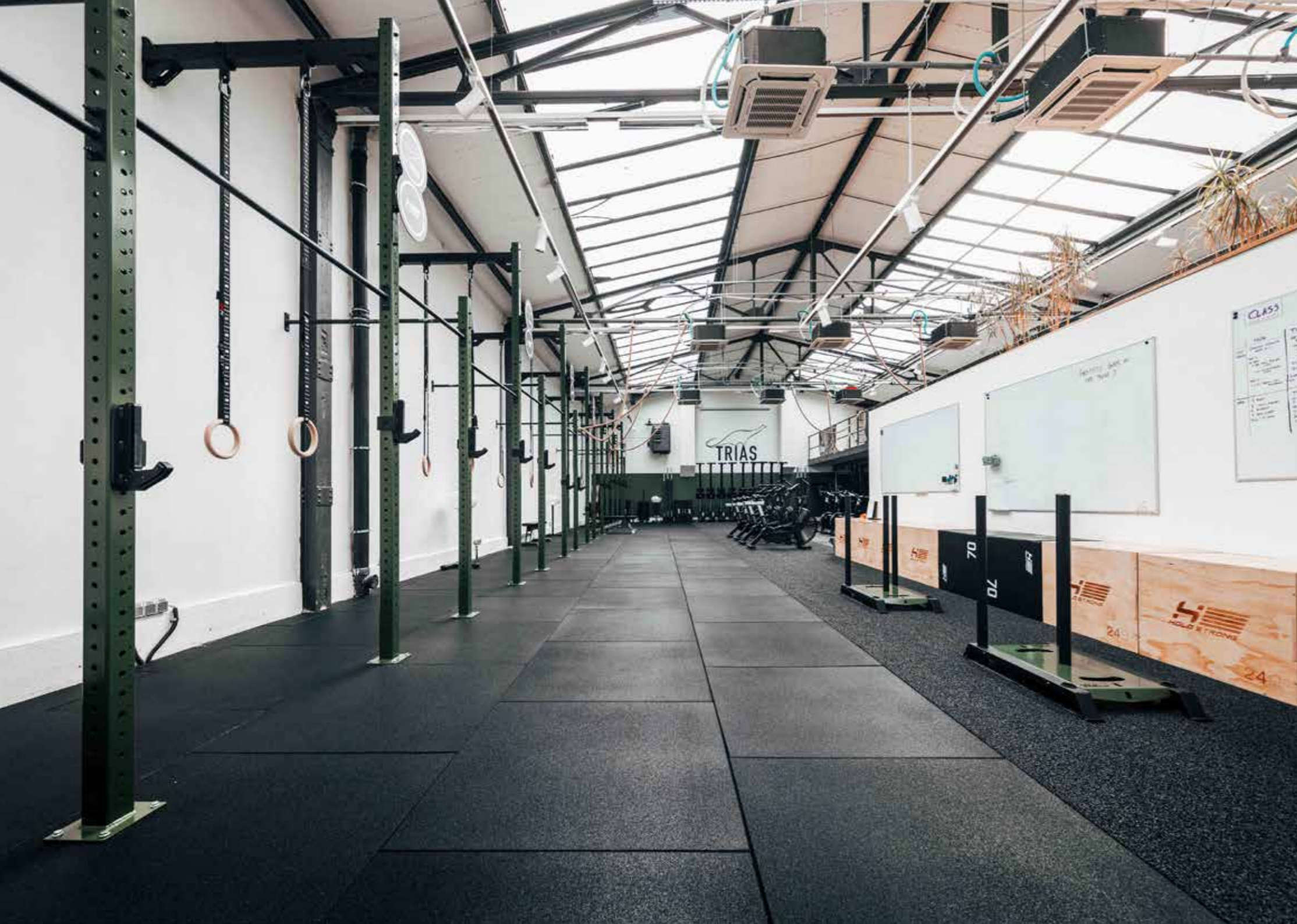


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Die Krafthalle (Cologne, Germany)  
STANDARD 20 mmblack

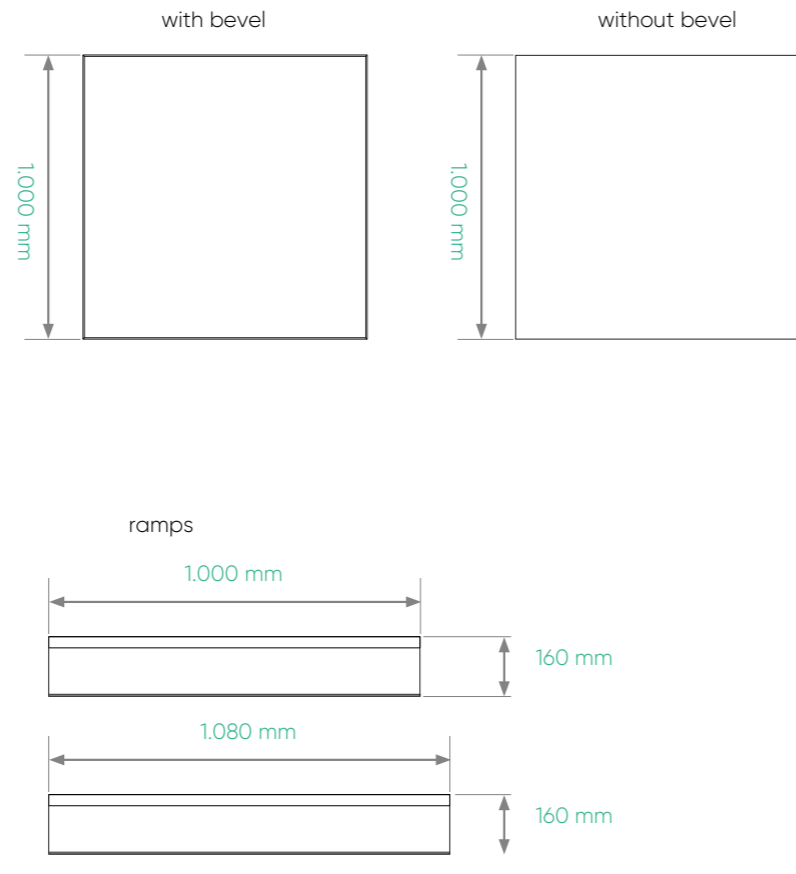
# I. THICKNESS & DIMENSIONS

## THICKNESS

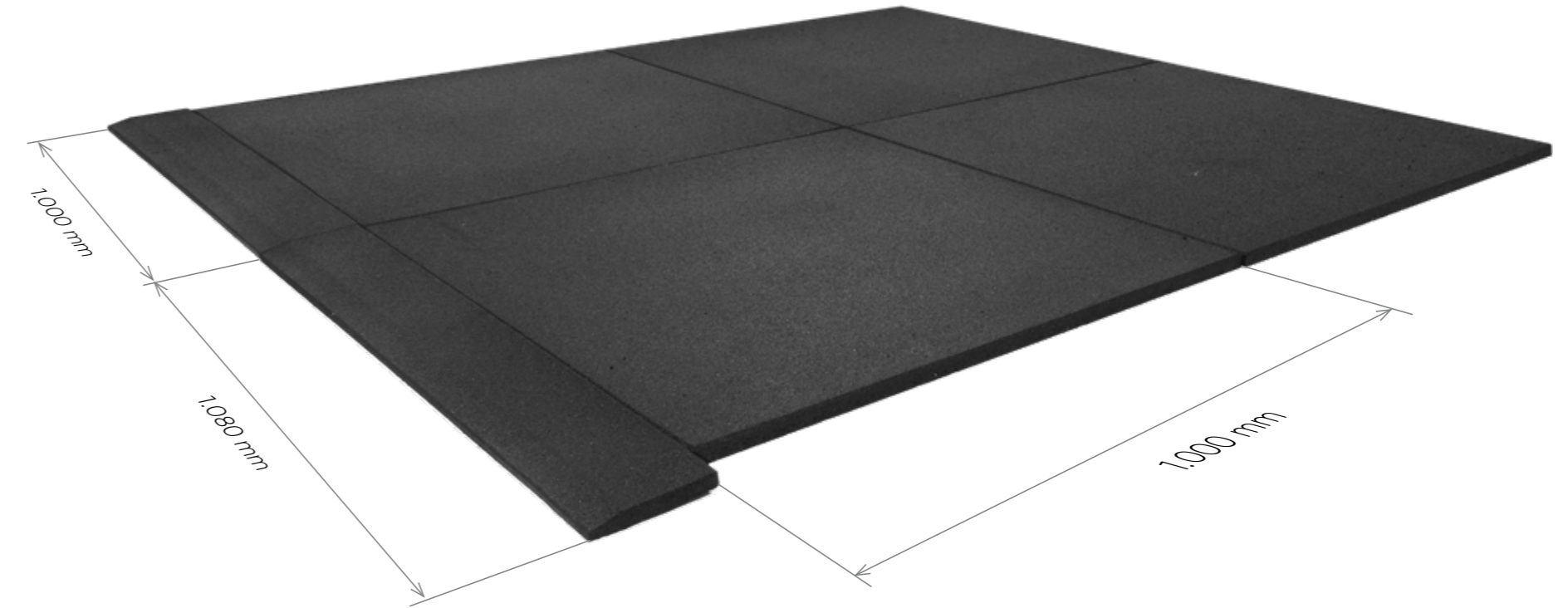
BASIC FLAT	20 mm
STANDARD FLAT	15 mm • 20 mm • 30 mm
STANDARD FLAT CONNECT	20 mm • 30 mm
STANDARD IMPACT	20 mm
STANDARD ANTI-SHOCK	25 mm • 30 mm • 43 mm • 50 mm • 60 mm
PREMIUM WITHOUT BEVEL	15 mm • 20 mm
PREMIUM WITH BEVEL	15 mm • 20 mm

Our Standard Fitness Tiles are available in 10 mm and 15 mm thickness. Most thicknesses have matching edges, corner profiles can be created from cutting the edges.

## DIMENSIONS



# DIMENSIONS



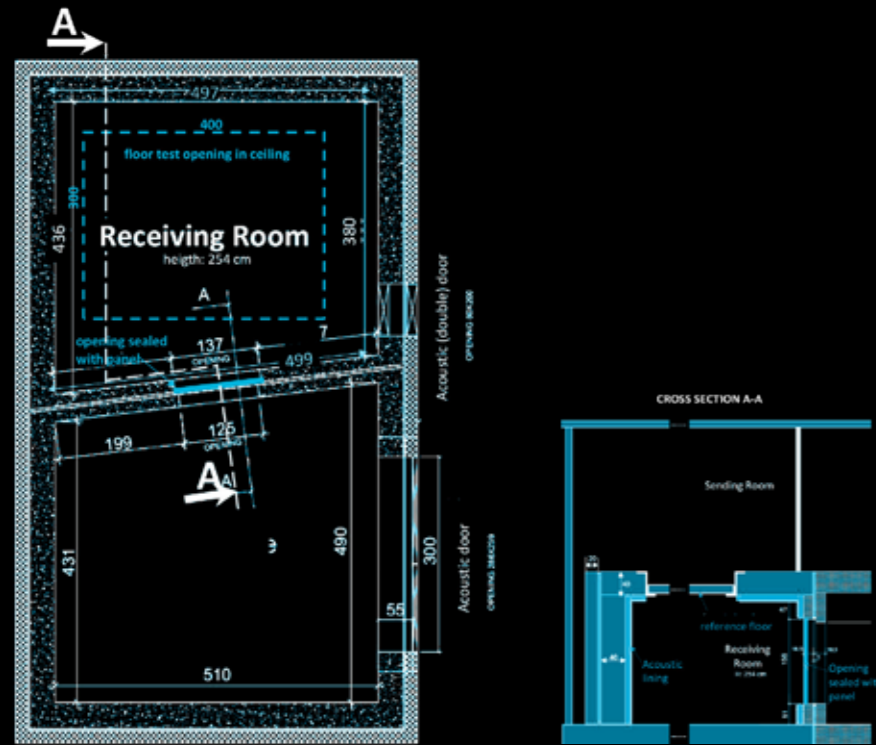
## II. NOISE REDUCTION

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.

Here at iBuildGreen 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 thicker Standard Fitness Tiles (30, 43, 53, 63) 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.

Even though the thinner tiles (20 mm) have a flat bottom, the ones we have tested still reach significant sound and impact vibration improvements.



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 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 standard Fitness Tiles, leads to the following results:

20 MM THICKNESS

23 DB REDUCTION\*

43 MM THICKNESS

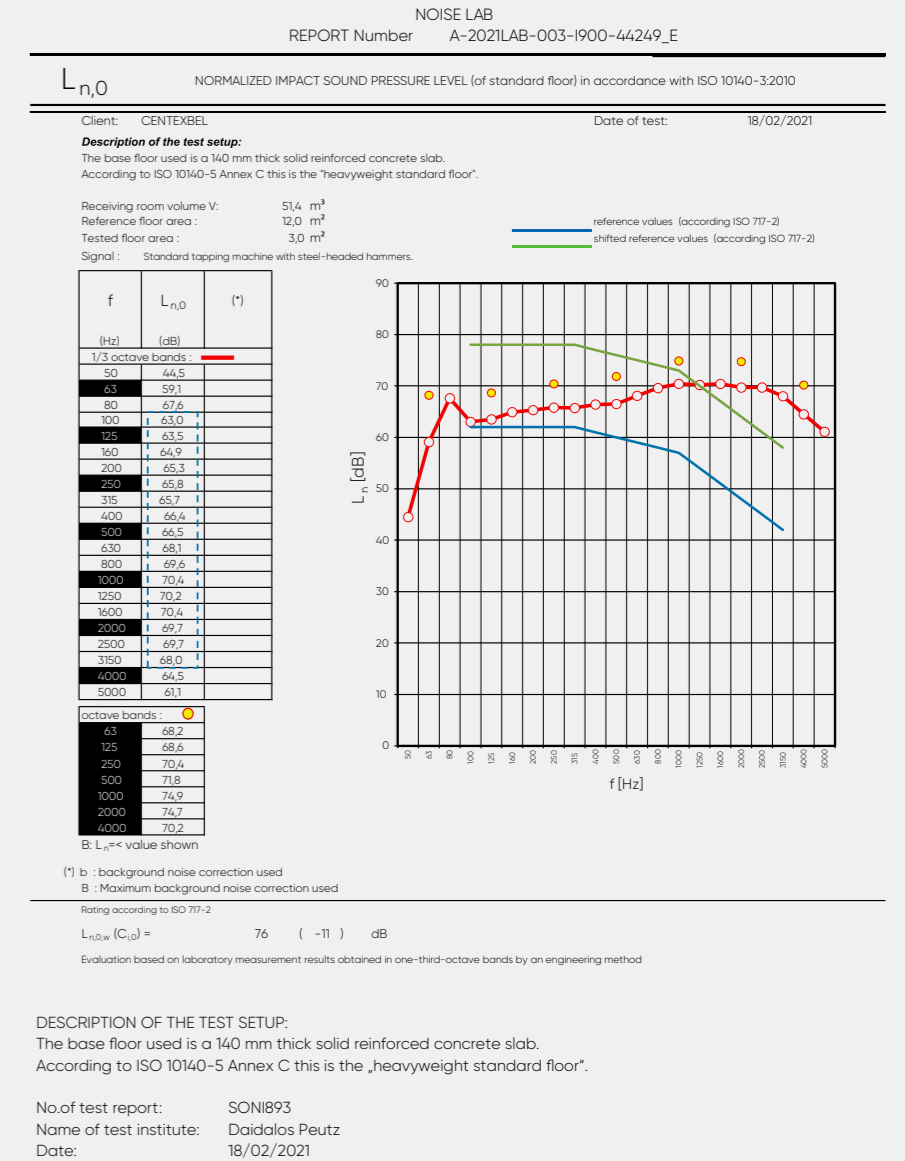
25 DB REDUCTION

50 MM THICKNESS

25 DB REDUCTION

60 MM THICKNESS

25 DB REDUCTION

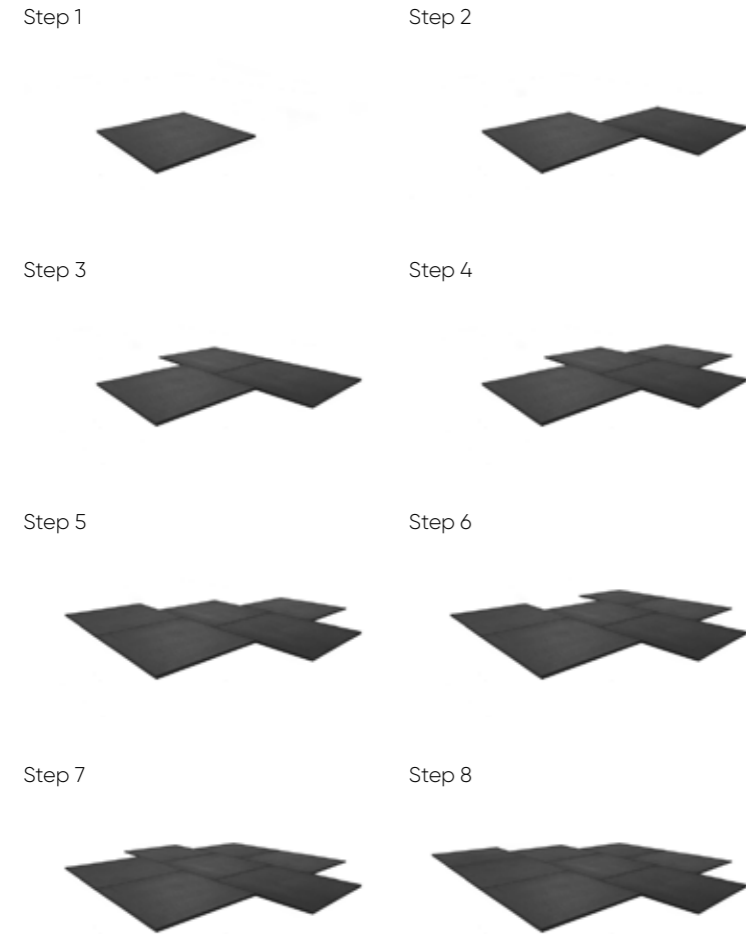


### III. INSTALLATION HALF BRICK WISE

For the BASIC, STANDARD as well as the PREMIUM Fitness Tile we recommend to work with a small overlap of 1 cm per every 5 tiles. After installing the complete area, the tiles can be squeezed in and this will make the small gaps dissolve. For the PREMIUM Fitness Tiles we recommend an overlap of 0.5 cm per every 10 tiles.

When the connectors are being used, these tiles can be installed without any overlap.

An animated installation video can also be made available upon request.



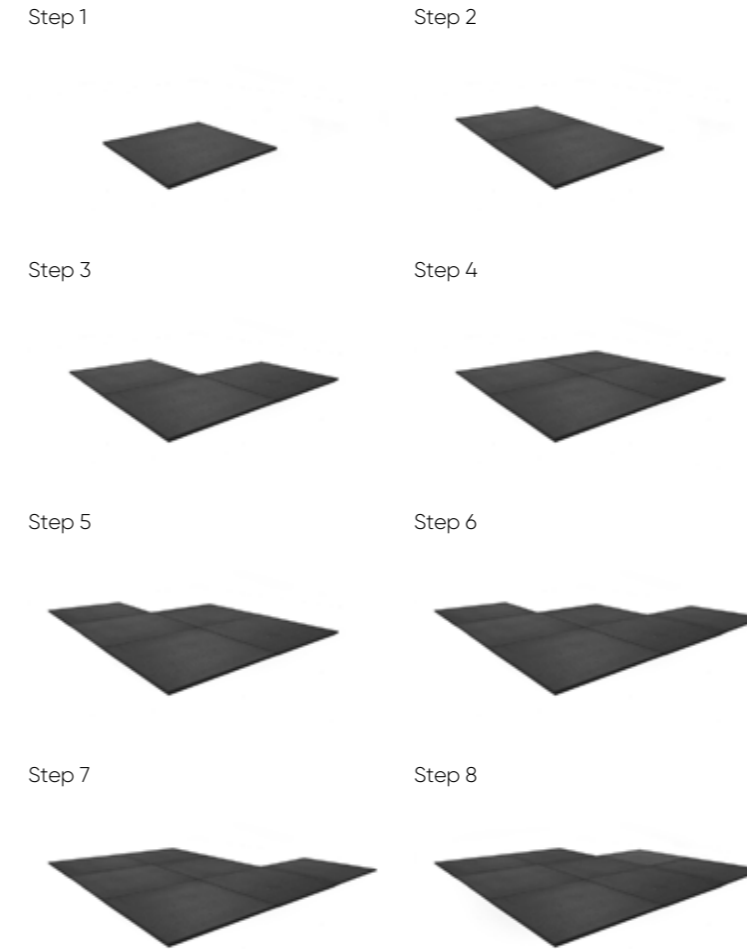
FINAL LOOK



### III. INSTALLATION CORNER TO CORNER

We strongly recommend that if you prefer a corner to corner installation the PREMIUM Fitness Tiles should be used.

BASIC- and STANDARD Fitness Tiles are better suited for a half-brick installation.



FINAL LOOK



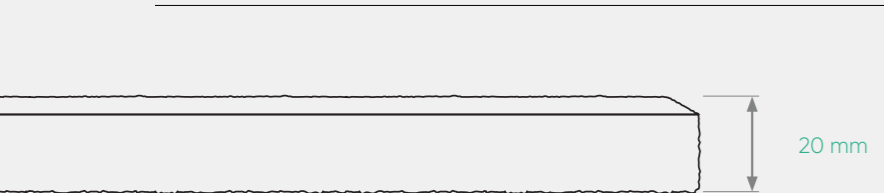
## 01. BASIC FITNESS TILE

The impact absorbing recycled rubber fitness tiles are made and designed for any freeweight and/or functional area.

The BASIC Fitness Tile has a 2-layer system; the bottom consists of coarse granules and the top layer of 5 mm consists of finer granules. The density is around 875 kg/m<sup>3</sup>. These tiles are manufactured in the EU and consist solely out of recycled European car tires, bonded with PU.

Because of only using high quality raw material our standard tiles are pretty much odourless which makes these a great match even for small, fully closed off rooms.

THICKNESS



DIMENSIONS



## THE BOTTOM

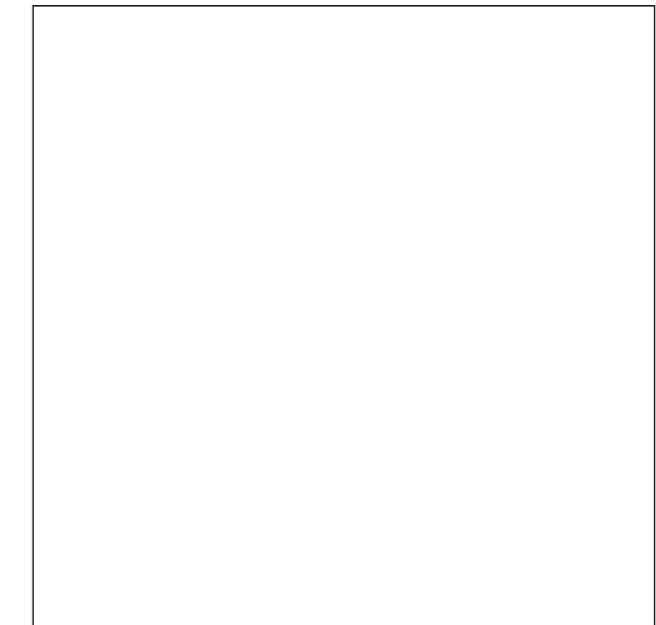
FLAT

Provides stability and uniform support, suitable for exercises requiring balance and stability.

SIDE VIEW



BOTTOM VIEW





## 01. BASIC FITNESS TILE

### SPECIFICATIONS

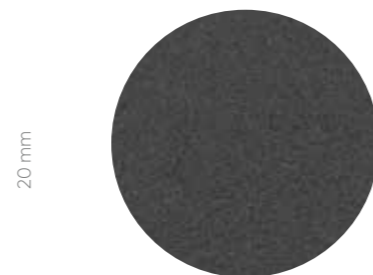
Bulk density toplayer	OTP 1168, PN-EN ISO 845:2010	Approx. 875 kg/m <sup>3</sup>
Tolerances	width ± 1% • length ± 1% • thickness ± 5 %	
Shock Absorption	EN 14808	61%
Vertical deformation	EN 14809	5 mm
Head injury criteria (HIC) test	EN 1177	1,3 m at 20 mm thickness
Slip resistance	PN-EN 13036-4:2004	dry ≤105 PTV wet ≤75 PTV
Thermal resistance		0,16 m <sup>2</sup> . K/W
Tensile strength, MPA		≤ 0,65
Elongation at break	PN-EN 12230:2005	≤ 40
Hardness	PN-ISO 868 PN-93 / C-04206	55 up to 75
EU fire classification	EF1	
Additional	Compliance with content of pentachlorophenol Antistatic floor covering	
Warranty	one year*	

\*warranty against manufacturing default – as described in our general Terms and Conditions

The BASIC Fitness Tile Black consists exclusively of recycled SBR granules, bonded with PU .

### COLOURS      Dimensions & Thickness

Dimension      1000 x 1000 mm



black

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CrossFit Michael Maier (Loehne, Germany)  
BASIC 20 mmblack



## II. BASIC BENEFITS



EUROPEAN MANUFACTURED



100% RECYCLED RUBBER USED



ODOURLESS

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BASIC FITNESS TILE



IMAGE BASIC Fitness Tile - 1.000 x 1.000 x 20 mm

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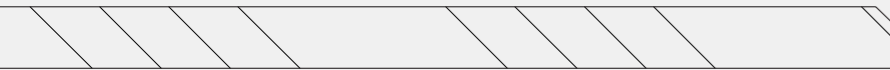
## 02. STANDARD FITNESS TILE

The high impact absorbing recycled rubber fitness tiles are made and designed for any freeweight and/or functional area.

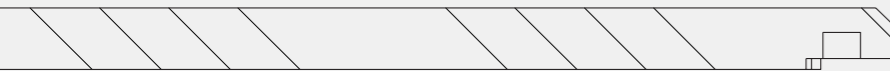
The STANDARD Fitness Tile has a 2-layer system; the bottom consists of coarse granules and the top layer of 5 mm consists of finer granules. The density is up to 950 kg/m<sup>3</sup>. These tiles are manufactured in the EU and consist solely out of recycled European car tires, bonded with PU. Because of only using high quality raw material our standard tiles are pretty much odourless which makes these a great match even for small, fully closed off rooms.

### THICKNESS

FLAT 15 mm • 20 mm • 30 mm



FLAT CONNECT 20 mm • 30 mm



IMPACT 20 mm



ANTI-SHOCK 25 mm • 30 mm • 43 mm • 50 mm • 60 mm



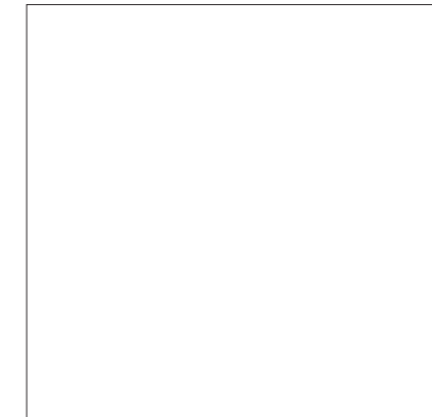
### DIMENSIONS



## THE BOTTOMS

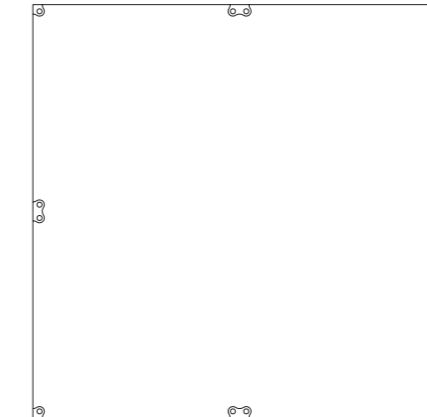
### FLAT

Provides stability and uniform support, suitable for exercises requiring balance and stability.



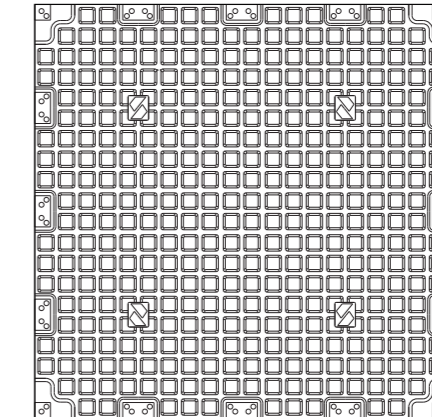
### FLAT CONNECT

Similar to the flat bottom, but with the differentiating option of adding a connecting system easing installation and minimizing potential gaps between tiles.



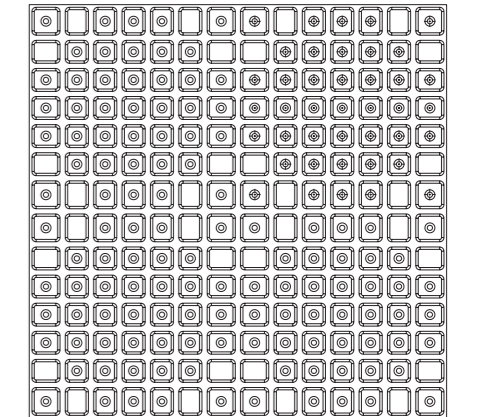
### IMPACT

Enhances shock absorption, reduces impact on joints and muscles, more suited for high-impact activities like jumping and running whilst also efficiently using less material compared to a Flat Bottom.



### ANTI-SHOCK

Our anti-shock bottom is designed to disperse even more sound & impact vibration.



### ILLUSTRATIONS

BASIC Fitness Tile - 1.000 x 1.000

## 02. STANDARD FITNESS TILE

The STANDARD Fitness Tile Black consists exclusively of recycled SBR granules, bonded with PU .

### SPECIFICATIONS

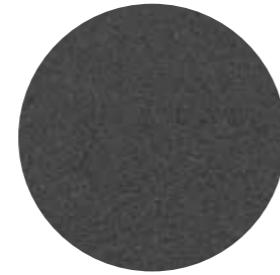
Bulk density toplayer	OTP 1168, PN-EN ISO 845:2010	Approx. 900 to 950 kg/ŕm
Tolerances	width $\pm 1\%$ • length $\pm 1\%$ • thickness $\pm 5\%$	
Shock Absorption	EN 14808	61%
Vertical deformation	EN 14809	5 mm
Head injury criteria (HIC) test	EN 1177	1,8 m at 60 mm thickness
Slip resistance	PN-EN 13036-4:2004	dry $\leq 105$ PTV wet $\leq 75$ PTV
Thermal resistance		Approx. 0,16 m <sup>2</sup> . K/W
Abrasion resistance, mg	PN-EN ISO 5470-1:2001	$\leq 560$
Tensile strength, MPA		$\leq 0,65$
Elongation at break	PN-EN 12230:2005	$\leq 40$
Hardness	PN-ISO 868 PN-93 / C-04206	55 up to 75
EU fire classification	EF1	
Additional	Compliance with content of pentachlorophenol Antistatic floor covering	
Warranty	one year*	

\*warranty against manufacturing default – as described in our general Terms and Conditions

### COLOURS

### Dimensions & Thickness

Dimension	1.000 x 1.000 mm
Thickness	20 mm
Colour	black



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CrossFit Hamminkeln (Germany)  
STANDARD 20 mmblack

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## 02. STANDARD BENEFITS



HIGH DENSITY



EUROPEAN MANUFACTURED



100% RECYCLED RUBBER USED



ODOURLESS

## TOP VIEWS

FLAT



FLAT CONNECT



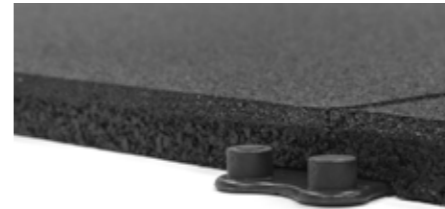
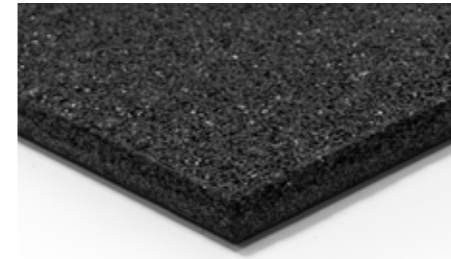
IMPACT



ANTI-SHOCK



## DETAILED VIEW



## 04. STANDARD RAMP



### SPECIFICATIONS

Bulk density toplayer	OTP 1168, PN-EN ISO 845:2010	Approx. 900 to 950 kg/ŕm
Tolerances	width $\pm 1\%$ • length $\pm 1\%$ • thickness $\pm 5\%$	
Shock Absorption	EN 14808	61%
Vertical deformation	EN 14809	5 mm
Head injury criteria (HIC) test	EN 1177	1,8 m at 60 mm thickness
Slip resistance	PN-EN 13036-4:2004	dry $\leq 105$ PTV wet $\leq 75$ PTV
Thermal resistance		Approx. 0,16 m <sup>2</sup> . K/W
Abrasion resistance, mg	PN-EN ISO 5470-1:2001	$\leq 560$
Tensile strength, MPA		$\leq 0,65$
Elongation at break	PN-EN 12230:2005	$\leq 40$
Hardness	PN-ISO 868 PN-93 / C-04206	55 up to 75
EU fire classification	EF1	
Additional	Compliance with content of pentachlorophenol Antistatic floor covering	
Warranty	one year*	

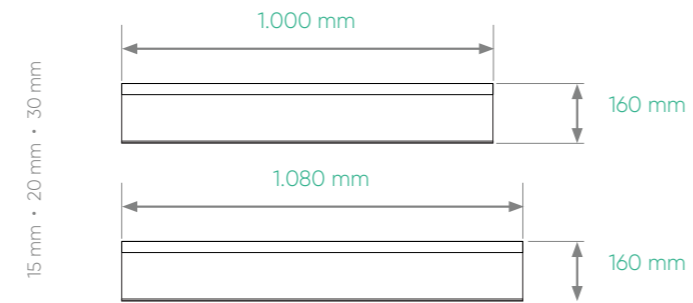
\*warranty against manufacturing default – as described in our general Terms and Conditions

The STANDARD Fitness Tile Black consists exclusively of recycled SBR granules, bonded with PU .

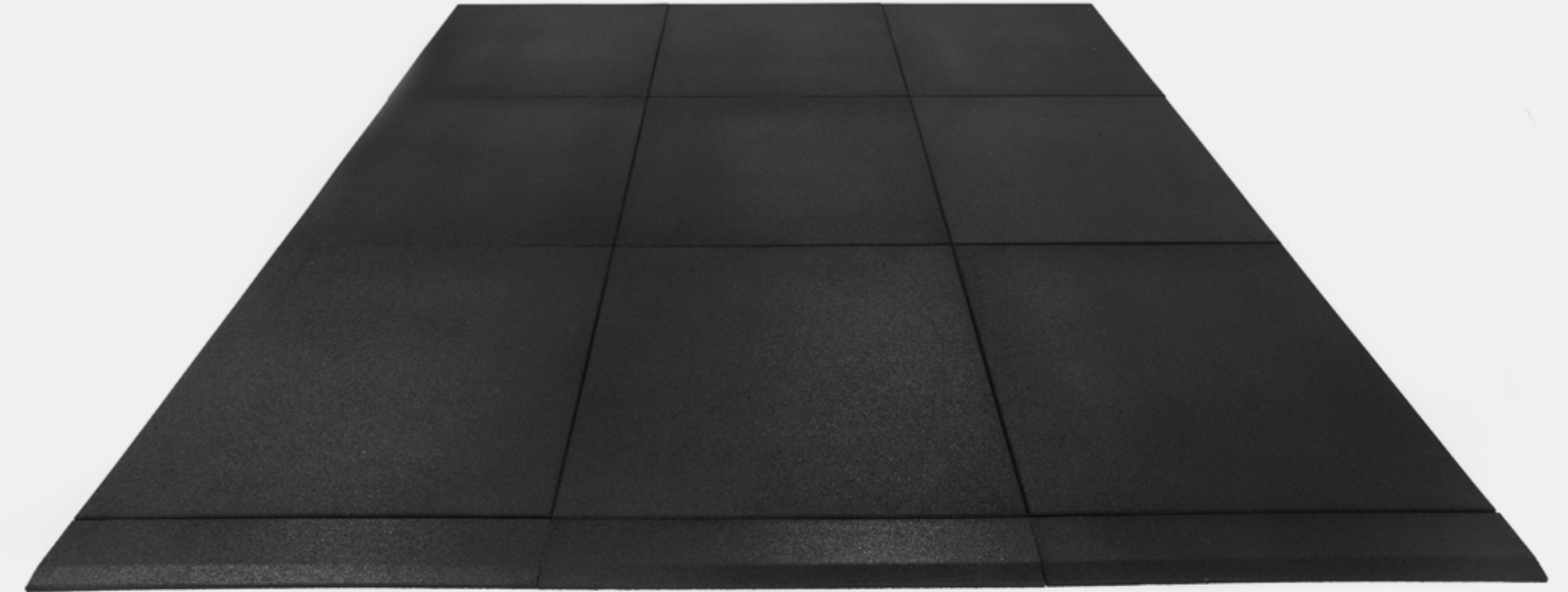
### COLOURS

Dimension	160 x 1.000 mm	160 x 1.080 mm
		
	black	black

### DIMENSIONS



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STANDARD Fitness Tiles + Ramps  
STANDARD 20 mmblack

CONTACT US [www.ibuildgreen.se](http://www.ibuildgreen.se)



STANDARD Fitness Tiles + Ramps (1.080)  
3x STANDARD Ramps 160 x 1.080 x 20 mm black + 9x STANDARD Fitness Tiles 20 mm black

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STANDARD Fitness Tiles + Ramps (1.000)  
3x STANDARD Ramps 160 x 1.000 x 20 mm black + 9x STANDARD Fitness Tile 20 mm black

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### 03. PREMIUM FITNESS TILE

The high impact absorbing recycled rubber fitness tiles are made and designed for any freeweight and/or functional area.

The PREMIUM Fitness Tile consists fully of finer granules, from 0.5 to 2mm. The density is 1.000 kg/m<sup>3</sup>. These tiles are manufactured in the EU and consist solely out of recycled European car tires, bonded with PU. Because of only using high quality raw material our PREMIUM Fitness Tiles are pretty much odourless which makes these a great match even for small, fully closed off rooms.

Our PREMIUM Fitness Tiles are available in two versions: with bevel and without bevel. Both versions are finished by CNC/waterjet cutting, ensuring precise edges and minimal size tolerance (maximum 1 mm) for easy installation. The version without bevel offers a sleek, seamless appearance, while the version with bevel provides a sharp, clean aesthetic."



#### DIMENSIONS

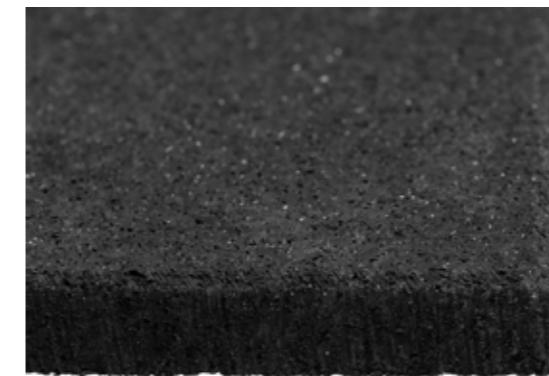


### TWO VERSIONS

#### NO BEVEL



#### WITH BEVEL





## 04. PREMIUM FITNESS TILE



The PREMIUM Fitness Tile Black consists exclusively of recycled SBR granules, bonded with PU

### SPECIFICATIONS

Bulk density	OTP 1168, PN-EN ISO 845:2010	Approx. 1.000 kg/m <sup>3</sup>
Flammability	EF1 without CFL EFL-S1; Cf1-s1; Cf1-s2, NORMA PN-EN ISO 9239-1:2010; PN-EN ISO 11925-2:210	
Tolerances	width ±1% • length ±1% • thickness ±5%	
Anti-slip properties	Determination of the value according to EN 131 dry 56 wet 43	
Additional	Compliance with content of pentachlorophenol Antistatic floor covering	
Warranty	12 months*	

\*warranty against manufacturing default – as described in our general Terms and Conditions

### COLOURS Dimensions & Thickness

Dimension	1.000 x 1.000 mm
15 mm	
	100% black
20 mm	
	100% black



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WITHOUT BEVEL  
PREMIUM 20 mmblack

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WITH BEVEL  
PREMIUM 20 mmblack

### 03. PREMIUM BENEFITS



HIGH DENSITY



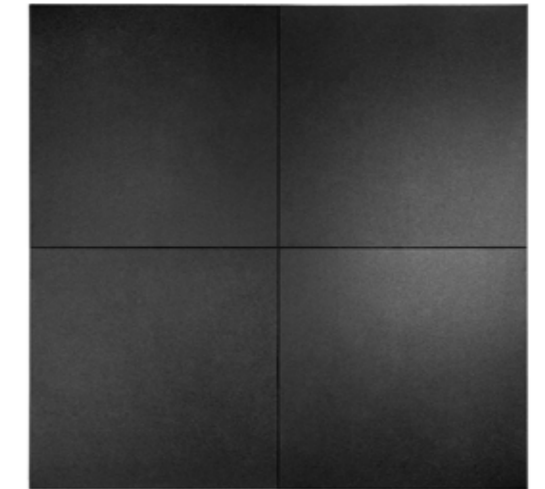
EUROPEAN MANUFACTURED



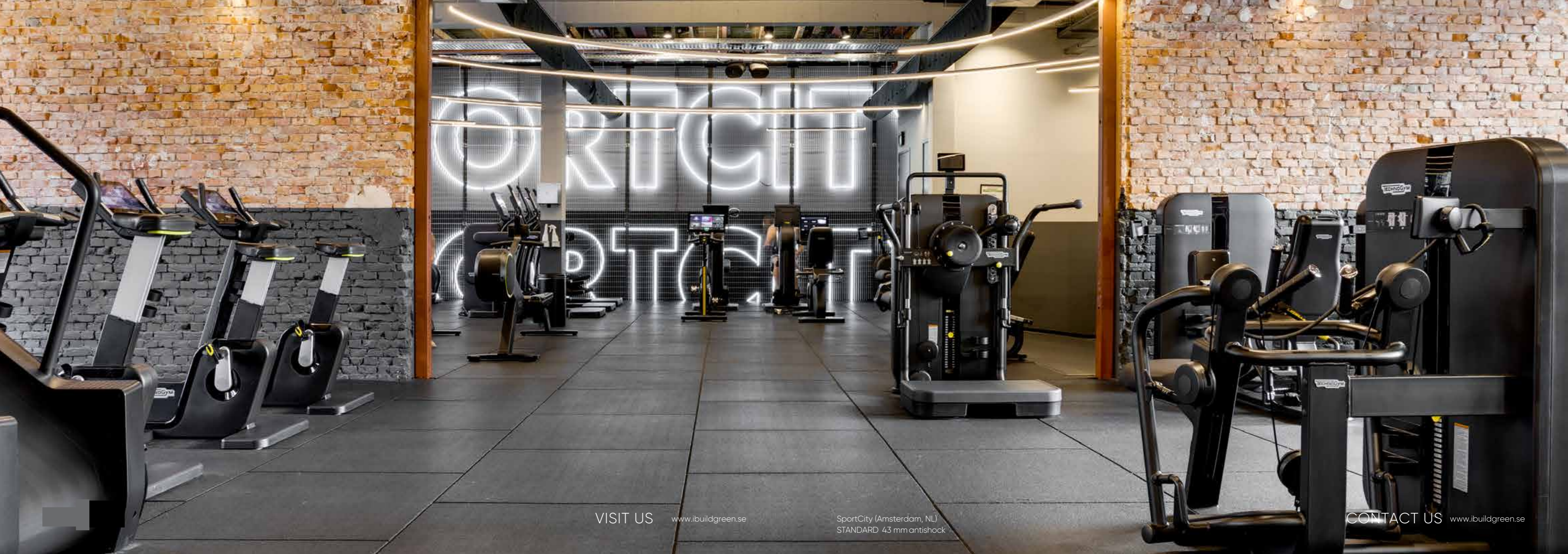
100% RECYCLED RUBBER USED



ODOURLESS



MINIMAL SIZE DIFFERENCES



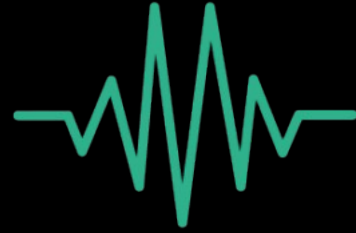
VISIT US

[www.ibuildgreen.se](http://www.ibuildgreen.se)

SportCity (Amsterdam, NL)  
STANDARD 43 mm antishock

CONTACT US

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THANK YOU