



Fitness Floor Mat HD 18 mm (BZ)

The 18 mm WARCO HD fitness floor mat is designed for heavily used training areas. Its increased density provides abrasion resistance and pressure stability, while the precisely moulded puzzle connection with bevelled edge creates a discreet and stable joint pattern.

The slip-resistant surface ensures secure footing, while the compact structure provides medium-level sound and vibration absorption. Easy to install, hygienic and durable, this mat protects athletes, equipment and flooring – both in studios and home gyms.

Product data

Colour	Terra Cotta	Weight	16.32 kg/Piece = 16.32 kg/m²
Installation	Interlocking puzzle joint with gently rounded bevel	Conversion	1 m² = 1 Piece
Packaging	1040 x 1040 x 18 mm	Useful size	1000 x 1000 x 18 mm

Properties



Colour Terra Cotta

The Terra Cotta colour design is made from newly manufactured non-toxic coloured EPDM rubber granules. It combines warm browns with intense reds and a hint of black to create a harmonious and vibrant surface. This combination is similar to the colour of fired clay, giving the material a natural, earthy appeal. The material is naturally UV resistant and will retain its colour over time. This colour scheme works well in environments where a warm and inviting atmosphere is desired. It complements both contemporary and more traditional nature-inspired designs.



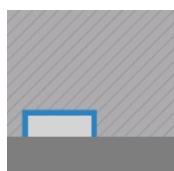
Material

The product has a two-layer structure and is manufactured using a moulding process. The lower functional layer consists of black ELT (End of Life Tyres) granulate, which is obtained from the recycling of ELT (End of Life Tyres). Chemically, the ELT granulate consists of a mixture of natural rubber (NR) and styrene butadiene rubber (SBR). The tread or wear layer consists of newly produced, fully coloured and pollutant-free EPDM (ethylene-propylene-diene rubber) granules with a medium grain size. This product meets exceptionally high standards of safety, durability and functionality.



Installation

The edges of the tiles are designed with an interlocking puzzle connection. Any side of a tile can be connected to any side of any other tile. The installation grid is 50 cm. During installation, the puzzle teeth precisely fit together to form a permanent connection, ensuring a stable and secure surface. The elegantly rounded bevel creates a modern, refined joint pattern with closed or narrow gaps.



Structure of the underside

The underside of the tile features a structure of approximately 4 mm deep drainage channels. The drainage channels of adjacent tiles interconnect to form a continuous network, ensuring the efficient runoff of rainwater. The tiles can be installed on a bound base layer, on roof waterproofing systems, or on suitable gravel grids. Please follow the installation guidelines for proper application.

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Characteristics



Indoor and Sheltered Outdoor Areas

Suitable for indoor and sheltered outdoor areas.
Avoid waterlogging and continuous moisture exposure.



Cfl-s1

Fire behaviour according to EN 13501-1: Cfl-s1
Limited contribution to fire – Low smoke emission



Toxicologically safe

No impermissible pollutant emissions,
initial rubber odour dissipates over time.



Colourfast and UV-resistant

The surface made of EPDM rubber granules is colourfast and long-term UV-resistant (sun).



Suitable for chlorinated water

Good resistance to chlorinated water,
chlorinated cleaning agents and swimming pool water.

Comparative values

The comparison of technical data on a scale from 1 to 5 provides a practical way of objectively comparing the relevant properties of WARCO products, making it easier to find the most suitable product for the intended application. Detailed information on the scale values and their calculation can be found online on the product detail page.

Water Permeability (EN 12616) – Rating 2 = Infiltration up to 10 mm/h (10 l/h/m²)

Abrasion resistance – Resistance to abrasive wear – Scale value 3 = "very good" (BS 7188)

Shock, vibration, and impact sound insulation – Scale value 1 = noticeable damping

Compressive strength - Scale value 4 = approx. 0.25 mm residual dent after 24 hours of unloading (BS 7188)

Slip resistance (EN 16165) – Scale value 3 = mean acceptance angle approx. 15°, group R10

Slip resistance class DS (EN 14041) - Scale value 2 = Coefficient of friction approx. 0.38

Thermal insulation – Scale value 2 = Thermal conductivity approx. 0.12 W/(m·K)

Apparent density - scale value 4 = 900 to 1000 kg/m³

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Terminvereinbarung erforderlich.

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