

## Fitness Floor Protection Mat HD (TZ)

The WARCO Fitness Floor Protection Mat HD is a robust sports floor for heavily used training areas indoors. Available in 50 × 50 or 100 × 100 cm and in thicknesses of 3, 4 or 5 cm.

The high density provides good pressure stability and abrasion resistance, while the moulded puzzle interlock with bevel creates a stable tile carpet with a discreet joint pattern. Elastic, durable and easy to maintain – ideal for professional gyms and demanding home gyms.



### Product data

Colour	<b>Travertine</b>
Installation	<b>Interlocking puzzle joint with gently rounded bevel</b>
Packaging	<b>540 x 540 x 30 mm</b>

Weight	<b>6.51 kg/Piece = 26.04 kg/m²</b>
Conversion	<b>1 m² = 4 Piece</b>
Useful size	<b>500 x 500 x 30 mm</b>

## Properties



### Colour Travertine

The Travertine colour is characterised by a harmonious combination of soft beige tones and subtle dark accents that evoke the natural colouring of travertine stone. This colour gives the surface a warm, earthy and elegant appearance. "Travertine" is a neutral colour scheme that fits seamlessly into both modern and traditional environments. It creates a sophisticated yet inviting atmosphere. The material used - virgin, non-toxic EPDM rubber granules - is UV-resistant and colour-fast over time.



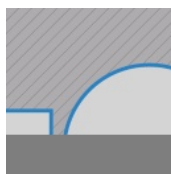
### Material

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 has a structure of approximately 4mm deep drainage channels. The drainage channels of adjacent tiles are interconnected to form a continuous network. Within the square areas between the channels there is a large dome-shaped indentation approximately 15mm deep. These indentations enhance the tile's weather resistance, dimensional stability and shock-absorbing properties. The tiles can be laid over a bonded sub-base, waterproofing system or suitable gravel grids. Please refer to the installation guidelines for proper application.

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### Characteristics



#### Suitable for chlorinated water

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



#### Cfl-s1

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



#### Indoor & Outdoor

Weather and frost resistant – suitable for versatile indoor and outdoor use.



#### 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).

### 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.

Apparent density - scale value 4 = 900 to 1000 kg/m<sup>3</sup>

Shock, vibration, and impact sound insulation – Scale value 2 = comfortable damping

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

Thermal insulation – Scale value 3 = Thermal conductivity approx. 0.11 W/(m·K)

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

Water Permeability (EN 12616) – Rating 2 = Infiltration up to 10 mm/h (10 l/h/m<sup>2</sup>)

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

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

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