



Fitness Floor Protection Mat (TZ)

The WARCO Fitness Floor Protection Mat is an elastic sports floor for indoor and outdoor use. Available in 50 × 50 or 100 × 100 cm and in thicknesses of 3, 4 or 5 cm.

Thanks to the moulded puzzle interlock with bevel, the mats form a stable, form-fitting tile carpet with a high-quality appearance. Elastic, shock-absorbing and joint-friendly, they reduce noise and protect the subfloor. Weather-resistant, easy to install, low-maintenance and robust – a safe solution for gyms, outdoor fitness and home training areas.

Product data

Colour	Terra Cotta	Weight	5.78 kg/Piece = 23.12 kg/m²
Installation	Interlocking puzzle joint with gently rounded bevel	Conversion	1 m² = 4 Piece
Packaging	540 x 540 x 30 mm	Useful size	500 x 500 x 30 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 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



Frost resistant

Resistant to frost and freezing water within the material – no cracking, tearing or breaking.



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.



Colourfast and UV-resistant

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



Toxicologically safe

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



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.

Compressive strength - Scale value 2 = approx. 0.75 mm residual dent after 24 hours of unloading (BS 7188)

Slip resistance class DS (EN 14041) - Scale value 5 = Coefficient of friction approx. 0.6

Abrasion resistance – Resistance to abrasive wear – Scale value 2 = "good" (BS 7188)

Apparent density - scale value 2 = 780 to 840 kg/m³

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

Water Permeability (EN 12616) – Rating 4 = Infiltration approx. 600 mm/h (600 l/h/m²)

Shock, vibration, and impact sound insulation – Scale value 3 = distinct damping

Slip resistance (EN 16165) – Scale value 4 = mean acceptance angle approx. 16°, group R10

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Terminvereinbarung erforderlich.

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