



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	Anthracite	Weight	5.57 kg/Piece = 22.28 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 Anthracite

The colour "Anthracite" corresponds to the typical shade of the black rubber particles found in ELT (End of Life Tyres) granulate, which is produced during the recycling of used tyres and forms the basis of this product. Over time, this colour can change from a deep black to a slightly lighter anthracite. Anthracite is particularly suitable for outdoor areas such as walkways, stables or sports facilities and is the most commonly chosen colour in the fitness industry. Anthracite blends harmoniously into a variety of environments and offers a modern, understated design that is resistant to dirt and wear.



Material

The product consists of black rubber granules and a polyurethane binder. The rubber granules used come from the recycling of used tyres, which is why they are called ELT (End of Life Tyres) granules. This origin gives the granulate its typical black or anthracite colour. Chemically, ELT is a blend of natural rubber (NR) and styrene butadiene rubber (SBR). A colourless binder is used for the anthracite products, while a coloured binder is used for the coloured variants, giving the black granules a coloured coating.



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



Efl

Fire behaviour according to EN 13501-1: Efl
Acceptable fire behaviour



With UV stabilisation

The ELT rubber granulate contains UV stabilisers.
The colour or colour coating does not yellow.



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.



Frost resistant

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

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.

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

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

Abrasion resistance – Resistance to abrasive wear – Scale value 4 = "excellent" (BS 7188)

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

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

Slip resistance class DS (EN 14041) - Scale value 4 = Coefficient of friction approx. 0.53

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

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

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Terminvereinbarung erforderlich.

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