

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
Fixing system	Jigsaw interlock with slight rounded bevel	Conversion factor	1 m² = 4 piece
Dimensions	540 x 540 x 30 mm	Usable dimensions	50 x 50 x 3 cm 0,25 m²

Properties



Colour Anthracite

Anthracite reflects the natural black of recycled tyre rubber granules (ELT), combined with a clear polyurethane binder. Prolonged sun exposure may cause the tone to lighten slightly over time.



Material

This product is manufactured from polyurethane-bound End of Life Tyres (ELT) rubber granules with a medium grain size of approximately 0.8 to 3.0 mm. The abbreviation ELT refers to used tyres recycled into granulate, which comprises a chemical composition of natural rubber (NR) and styrene-butadiene rubber (SBR). Polyurethane serves as the binding agent. The grain structure of the granulate is visible in the surface texture. Anthracite-coloured variants are produced with a clear binder, whilst coloured variants use a pigmented binder.



Fixing system

The plate edges are formed with jigsaw interlock on all four sides. Any edge can be connected to any edge on an adjacent plate. When installed, the teeth fit precisely together and create a strong, permanent connection. The slightly rounded bevel at the top edges produces neat, even joint lines. The completed surface has a calm, ordered appearance—the plates remain visible as a regular grid but read as a cohesive whole. No bonding or edge trim is required.



Structure of the underside

The bottom surface bears two structural features: approximately 4 mm deep drainage channels in a square arrangement, plus dome-shaped indentations of roughly 15 mm depth. The domes enhance shock absorption and support the dimensional stability of the tile. In outdoor areas and damp environments, water drains via the channels following the gradient; on water-permeable base layers, it seeps directly into the substrate. Installation guidelines must be observed.

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Characteristics



Efl

Reaction to fire according to EN 13501-1: Efl



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.

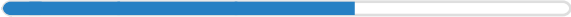



Frost resistant

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


Comparative values

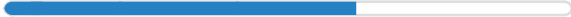
Comparing technical data on a scale from 1 to 5 offers a practical way to objectively assess the relevant properties of WARCO products, making it easier to find the most suitable product for the intended application. Detailed information on the scale values and their calculation is available on the product 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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