

Fitness Floor Mat 18 mm (BZ)

The 18 mm WARCO fitness floor mat is a versatile choice for both home gyms and studios. It balances cushioning, stability and moderate sound absorption – ideal under fitness equipment or in training areas.

Its slip-resistant surface provides secure footing, while the elastic structure relieves joints and tendons. Thanks to the puzzle connection, installation is quick and requires no adhesive. Durable and easy to clean, the mat reliably protects athletes, equipment and the floor beneath.



Product data

Colour	Brick red	Weight	15.3 kg/piece = 15.3 kg/m²
Fixing system	Jigsaw interlock with slight rounded bevel	Conversion factor	1 m² = 1 piece
Dimensions	1040 x 1040 x 18 mm	Usable dimensions	100 x 100 x 1,8 cm 1,00 m²

Properties



Colour Brick red

Black recycled tyre rubber granules are evenly coated with a brick-red pigmented PU binder. The shade presents itself as a warm, earthy reddish-brown with consistent colour coverage. Over time, the pigmented coating may gradually wear through mechanical use, causing the shade to darken.



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 features a fine-mesh network of approximately 4 mm deep drainage grooves arranged in a square pattern. When tiles are installed, the grooves of adjacent tiles interconnect to form a continuous grid. In outdoor areas and damp environments, water drains along the gradient beneath the surface; on water-permeable base layers, it seeps directly into the substrate. Installation guidelines must be observed.

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Characteristics



With UV stabilisation

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



Frost resistant

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



Efl

Reaction to fire according to EN 13501-1: Efl



Indoor and Sheltered Outdoor Areas

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





Toxicologically safe


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


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 1 = noticeable damping

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


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

 Water Permeability (EN 12616) – Rating 3 = Infiltration approx. 300 mm/h (300 l/h/m²)

 Apparent density - scale value 3 = 840 to 900 kg/m³

 Compressive strength - Scale value 3 = approx. 0.5 mm residual dent after 24 hours of unloading (BS 7188)

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

 Abrasion resistance – Resistance to abrasive wear – Scale value 5 = "outstanding" (BS 7188)

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