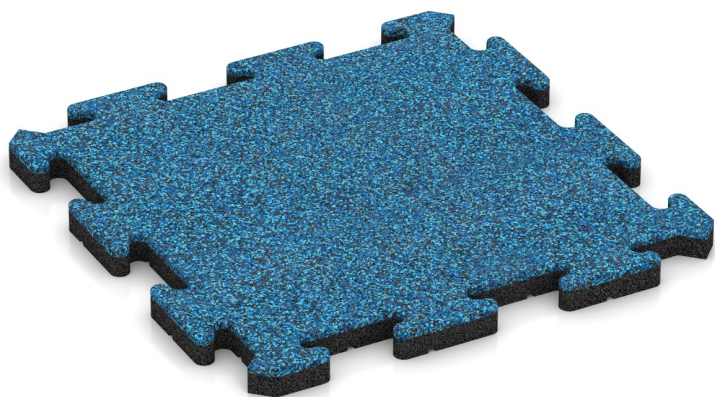


## Rubber sports surface (TZ)

The WARCO rubber sports surface is a robust outdoor flooring for basketball courts, soccer courts, multi-use pitches and small playgrounds. The 50 × 50 cm tiles interlock precisely via puzzle edges and are available in 3, 4 or 5 cm thicknesses.

The elastic structure is slip-resistant, shock-absorbing and joint-friendly while ensuring consistent ball rebound. Rainwater drains quickly through the porous surface, keeping the pitch playable year-round. Frost-proof, durable and low-maintenance – the economical choice for schools, clubs and private courts.



### Product data

Colour	<b>Atlantic</b>	Weight	<b>5.78 kg/piece = 23.12 kg/m<sup>2</sup></b>
Fixing system	<b>Jigsaw interlock with slight rounded bevel</b>	Conversion	<b>1 m<sup>2</sup> = 4 piece</b>
Dimensions	<b>540 x 540 x 30 mm</b>	Usable dimensions	<b>50 x 50 x 3 cm   0,25 m<sup>2</sup></b>

### Properties



#### Colour Atlantic

EPDM granules in various shades of blue and turquoise are bound with a clear, UV-resistant polyurethane binder. The blend produces a vibrant, fresh colour pattern with lively character. High-quality pigments are fully integrated into the granules, and since EPDM is inherently UV-resistant, the colour remains stable over the long term.



#### Material

This product features a two-layer construction. The base layer comprises black End of Life Tyres (ELT) rubber granules recycled from used tyres, with a chemical composition of natural rubber (NR) and styrene-butadiene rubber (SBR). The wear layer consists of non-toxic EPDM (Ethylene Propylene Diene Monomer) granules with a grain size of approximately 1.0 to 4.0 mm, comprising a mixture of differently coloured granules. Polyurethane serves as the binding agent. The grain structure of the EPDM granulate is visible in the surface texture.



#### 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.

# Rubber sports surface (TZ)

## Characteristics



### Frost resistant

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



### Cfl-s1

Reaction to fire according to EN 13501-1: Cfl-s1  
Limited contribution to fire. Low smoke production.



### 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


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.


 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/m<sup>3</sup>

 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/m<sup>2</sup>)

 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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