

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.

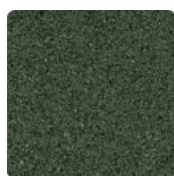
The elastic structure is slip-resistant, shock-absorbing and joint-friendly while ensuring consistent ball rebound. Rainwater drains quickly through the porous surface, keeping the pitch playable year-round. Frost-proof, durable and low-maintenance – the economical choice for schools, clubs and private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



Product data

Colour	Grass Green	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 Grass Green

Grass Green is a fresh, vibrant shade of green that resembles the natural colour of grass. This colour is achieved by using a coloured binder to coat the ELT particles (black rubber granules from scrap tyre recycling). Grass Green is a natural, soothing colour that is ideal for use in gardens, playgrounds or recreational areas. It gives any surface a fresh, natural look and blends well with other colours to create a harmonious and inviting atmosphere. The colour coating will fade over time.



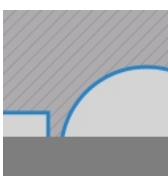
Material

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)

Michael Schladt
WARCO Gulvbelægninger
Andergasse 17
67434 Neustadt an der
Weinstraße

WARCO Gallery
Klemmhof 9
67433 Neustadt an der Weinstraße
Onsdag til fredag, 10:00 - 16:00

Faglig rådgivning
+49 6321 9152391

E-mail: info@warco24.dk
Internet: www.warco24.dk