



Rubber sports surface HD (TZ)

The WARCO Rubber Sports Surface HD is a robust flooring for basketball courts, soccer courts, multi-use pitches and other heavily used areas. The 50 × 50 cm tiles interlock precisely with puzzle edges and are available in 3, 4 or 5 cm thickness.

With their higher density, the tiles are abrasion-resistant and ensure a consistent ball rebound. The slip-resistant, elastic structure provides grip, joint protection and noise reduction. Rainwater drains through the porous structure, though more slowly than with the standard version. The surface remains usable year-round. Frost-proof, durable and low-maintenance – the economical choice for schools, clubs and public facilities.

Product data

Colour	Bark & Bast
Installation	Interlocking puzzle joint with gently rounded bevel
Packaging	540 x 540 x 50 mm

Weight	10.74 kg/Piece = 42.96 kg/m²
Conversion	1 m² = 4 Piece
Useful size	500 x 500 x 50 mm

Properties



Colour Bark & Bast

The Bark & Bast colour scheme is made from newly manufactured, non-toxic, coloured EPDM rubber granules. It combines warm brown tones with beige and black-grey accents to create a harmonious and vibrant surface. This mix is reminiscent of the natural colour palette of tree bark, giving the material an earthy, natural look. The material is UV resistant and retains its colour over time. The Bark & Bast colourway is particularly suited to environments where a warm and natural atmosphere is desired. It works well in both modern and traditional, nature-inspired environments.



Material

The product has a two-layer structure and is manufactured using a moulding process. The lower functional layer consists of black ELT (End of Life Tyres) granulate, which is obtained from the recycling of ELT (End of Life Tyres). Chemically, the ELT granulate consists of a mixture of natural rubber (NR) and styrene butadiene rubber (SBR). The tread or wear layer consists of newly produced, fully coloured and pollutant-free EPDM (ethylene-propylene-diene rubber) granules with a medium grain size. This product meets exceptionally high standards of safety, durability and functionality.



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



Suitable for chlorinated water

Good resistance to chlorinated water, chlorinated cleaning agents and swimming pool water.



Cfl-s1

Fire behaviour according to EN 13501-1: Cfl-s1
Limited contribution to fire – Low smoke emission



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.



Colourfast and UV-resistant

The surface made of EPDM rubber granules is colourfast and long-term UV-resistant (sun).

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.

Apparent density - scale value 4 = 900 to 1000 kg/m³

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

Compressive strength - Scale value 4 = approx. 0.25 mm residual dent after 24 hours of unloading (BS 7188)

Thermal insulation – Scale value 4 = Thermal conductivity approx. 0.09 W/(m·K)

Abrasion resistance – Resistance to abrasive wear – Scale value 3 = "very good" (BS 7188)

Water Permeability (EN 12616) – Rating 2 = Infiltration up to 10 mm/h (10 l/h/m²)

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

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

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Terminvereinbarung erforderlich.

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