

Rubber Border Block (RS)

The WARCO Rubber Border Block is a versatile edging solution for indoor and outdoor use. Multiple units can be connected with galvanised steel tubes to create straight or polygonal structures. Installation is possible with or without a concrete base, depending on requirements.

Typical applications include playground and garden edging, path and slope stabilisation, parking or storage areas, and impact-absorbing barriers along driveways, production zones or buildings. The block is durable, weather-resistant and easy to install – ideal for permanent or temporary use.



Product data

Colour	Brick red	Weight	34.55 kg/piece = 34.55 kg/lin. m.
Fixing system	Chain linkage via ground anchor	Conversion factor	1 lin. m. = 1 piece
Dimensions	1150 x 150 x 300 mm	Usable dimensions	100 x 15 x 30 cm

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

Each chain element comprises a cuboid body with two cylindrical coupling pieces positioned at offset ends. A galvanised steel tube passes through each coupling, linking elements and anchoring them into the ground. Assembly occurs on concrete bases, loose stone beds, or cellular grids, depending on site conditions. Straight or angled chain runs are both possible. The modular system accommodates uneven terrain and permits layout flexibility. The ground anchor distributes forces widely and prevents settling.



Structure of the underside

The bottom surface is uniformly flat with no moulded structure. The product rests in full contact with the substrate beneath. This design does not provide a drainage cavity beneath the surface; consequently, any drainage requirement must be addressed through the base layer itself. Installation should be carried out on a permanently load-bearing substrate capable of supporting the applied loads. Refer to installation guidelines for correct laying procedures.

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Characteristics



With UV stabilisation

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



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.



Efl

Reaction to fire according to EN 13501-1: Efl




Below Ground Installation


Rot-proof and frost-resistant – suitable for partial or complete installation underground.


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.

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

 Abrasion resistance – Resistance to abrasive wear – Scale value 4 = "excellent" (BS 7188)

 Shock, vibration, and impact sound insulation – Scale value 5 = excellent damping

 Thermal insulation – Scale value 5 = Thermal conductivity approx. 0.07 W/(m·K)

 Compressive strength - Scale value 2 = approx. 0.75 mm residual dent after 24 hours of unloading (BS 7188)

 Apparent density - scale value 2 = 780 to 840 kg/m³

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