Article no.: **6389**

Stable Mat Luxury (SH)

Stable Mat Luxury is a 4.5 cm thick mat for lying areas, made from rubber granules bonded with polyurethane. It is designed for stables, outdoor stables and loose housing. It is made from recycled tyre rubber granules (ELT) bonded with polyurethane and compacted under high pressure. Its weight holds it down on the stable floor. A high underside profile insulates the mat from the cold concrete. The mat is resilient, very abrasion-resistant and slip-resistant even when wet.

The mats are laid without adhesive in a random bond pattern on a load-bearing, largely level base, such as concrete, concrete block paving or gravel grids filled with chippings. The area needs an edge restraint around its entire perimeter. In a stable, the walls provide this restraint. Unabsorbed urine must not be allowed to stand on the mats. It can be absorbed by bedding on the mats or in a specially bedded corner where the horse urinates. Alternatively, the horse can urinate in an open paddock. The lying area remains bedded.

Product data

Colour	**Anthracite**	Weight	**19.5 kg/piece = 39 kg/m²**
Installation	**Random bond**	Conversion factor	**1 m² = 2 piece**
External dimensions	**1000 x 500 x 45 mm**	Laid size	**100 x 50 x 4,5 cm | 0,50 m²**

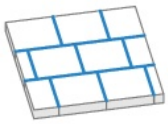
Properties

Colour Anthracite

Anthracite is a deep black-grey, a strong, dominant shade with a sober, timeless look. It sits comfortably in modern and industrial settings alike. The shade is the natural colour of the black rubber granules from tyre recycling, bound with a colourless binder. New tiles are deep black at first and may lighten a little over time under UV exposure.

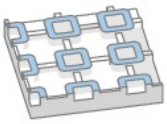
Material

Cleaned, fine-to-medium recycled rubber granules with a granule size of 0.8–2.5 mm are the starting material for the product. The granules are produced by processing and recycling end-of-life tyres (ELT) and are made up of natural rubber (NR) and styrene-butadiene rubber (SBR). A polyurethane (PU) binder holds the granules together; it is clear in the black and anthracite versions, whereas in the coloured versions a pigmented binder forms a layer of colour around the black granules, which remain black on the inside. The surface is finely textured.



Installation

In a random bond, the tiles are laid loose and closely butted together without any connection between them. The rows are offset irregularly. As a result, no four tile corners meet at a single point, and the joints are staggered from row to row. The tiles' own weight and friction against the substrate limit lateral movement. Repeated loading and temperature changes can nevertheless cause the tiles to shift gradually. An edge restraint or wall limits this movement and helps to stop the joints opening up.



Underside

A profile of hollow, square feet approx. 15 mm high, linked by narrow ribs, is moulded into the underside. This leaves a continuous void between tile and substrate in which liquid can run off along the gradient and air can circulate. The profile compresses elastically under load. It is laid on a firm, load-bearing substrate. Please refer to the installation instructions.

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Properties

Efl
Normally flammable.

UV-stabilised
ELT granules are UV-stabilised. Some coating shades may change slightly outdoors.

Indoor and sheltered outdoor use
For indoor and sheltered outdoor areas. Avoid standing water and prolonged saturation.

Harmful substance limits met
Meets EU limits for harmful substances. Initial rubber odour diminishes.

Technical data

The key technical properties of WARCO products are rated on a scale of 1 to 5. This allows products intended for the same application to be compared directly. The relevant product page explains how each rating is determined.

Shock absorption and vibration damping, footstep sound reduction – Rating 3: marked damping

Abrasion resistance – Rating 5: highest rating (BS 7188)

Water permeability (BS EN 12616) – Rating 2: infiltration up to 10 mm/h (10 l/(m²·h))

Thermal insulation – Rating 4: thermal conductivity approximately 0.09 W/(m·K)

Slip resistance (BS EN 16165) – Rating 3: mean acceptance angle approx. 15°, R10 classification

Dynamic friction class DS (BS EN 14041) – Rating 2: dynamic coefficient of friction approx. 0.38

Compressive strength – Rating 4: permanent indentation of approximately 0.25 mm after 24 hours' recovery (BS 7188)

Apparent density – Rating 4: 900 to 1,000 kg/m³

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