Article no.: **6380**

Stable Mat (SH)

The Stable Mat is a 3 cm-thick rubber mat for stables, stable aisles and grooming areas in indoor stable blocks, as well as for outdoor stables and loose housing systems. It is made from ELT granules, meaning rubber granules from recycled tyres. The granules are bonded with polyurethane and compacted into the mat. The mat cushions each step slightly and is slip-resistant when wet.

The mats are laid without adhesive in a random bond pattern on a load-bearing, largely level base, with edge restraint all round. Urine must not remain unabsorbed on the mats. It is absorbed by bedding on the mats or in a separately bedded corner for urination. Alternatively, the horse can urinate in an open paddock. The lying area still needs bedding.

Product data

Colour	**Brick red**	Weight	**25 kg/piece = 25 kg/m²**
Installation	**Random bond**	Conversion factor	**1 m² = 1 piece**
External dimensions	**1000 x 1000 x 30 mm**	Laid size	**100 x 100 x 3 cm | 1,00 m²**

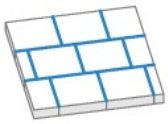
Properties

Colour Brick red

Brick red is a classic building colour, the red of bricks and roof tiles. As a familiar tone it fits in anywhere in the townscape. A red pigmented binder binds the black rubber granules from tyre recycling and coats the granules as it does so. Depending on compaction, black may show through in places. Under load the coating may wear, first giving a salt and pepper look and, with heavy use or over time, wearing away completely.

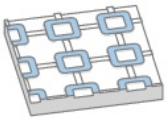
Material

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. 5 mm high, linked by narrow ribs, is moulded into the underside. The tile rests on the feet. In the shallow gap between tile and substrate, liquid can run off along the gradient and air can circulate. 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 2: moderate 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 3: thermal conductivity approximately 0.11 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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