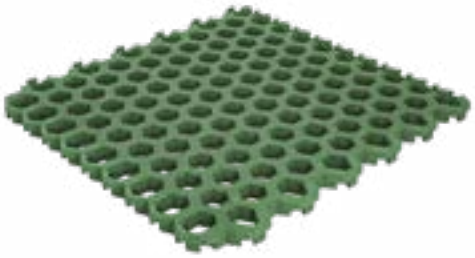
Technical Data Sheet - Equestgum® Riding Grid

Brief description of the Equestgum® Riding Grid:

The Equestgum® Riding Grid is a honeycomb-shaped panel system that interlocks according to the hexagon principle. The individual cells can be filled with various materials. The Equestgum® Riding Grid stabilizes the ground, prevents displacement and loss of surface material, and at the same time provides a soft, joint-cushioning surface. The open-pore rubber material is permeable, allowing water to drain through while temporarily retaining moisture required for riding arena footing. The interlocking connection points of the panels engage securely with one another, ensuring that the Riding Grids remain stable even on uneven sub-bases. The Riding Grids are recommended for riding arenas, stables, and feeding areas on paddocks.

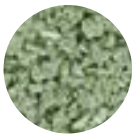


Equestgum® Riding Grid 4.5 cm

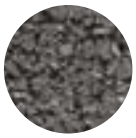
The connection of the Equestgum® Riding Grid

Colours:

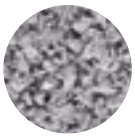
Red



Green



Black



Grey

Materials used:

Base material:	Recycled rubber granules (1-3 mm grain size)
Binder:	PU adhesive
Dyes:	Powder paint

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Compressive stress–strain properties:

The products were tested at 23°C in accordance with DIN EN ISO 3386-2 (2010-09).

Thickness	Load per hoof:	Load per m²:
4,5 cm	1,100 kg/hoof	74.500 kg/m²
6,5 cm	765 kg/hoof	51,000 kg/m²

**The tested compressive stress values demonstrate that both panel thicknesses are capable of withstanding the concentrated loads exerted by horse hooves with a significant safety margin.*

Sizes, weights, and fall heights:

Our products are certified by TÜV according to the standards MSZ EN 1176-1: 2018 and MSZ EN 1177:2018. The products have a width and length tolerance of 1-2% and a thickness tolerance of 1-2 mm. It is recommended to store the products for at least one week before installation so that they reach their final sizes reach.

Fire protection class:

E_{fl} (flammability by direct flame action, burning behaviour by radiant heat)

Evaluation method

- MSZ EN 13501-1:2007+A1:2010
- MSZ EN ISO 11925-2:2011
- MSZ EN ISO 9239-1:2011

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