TECHNICAL SPECIFICATION

Here's How.

Equestrian Reinforced Ground Grids

(HH Item # 5254-018)

MESH STRUCTURE WITH CONNECTION SYSTEM

HAHN PLASTICS 20 YEAR WARRANTY

SPECIFICATIONS

Length	**50 cm – 19.69”**
Width	**40 cm – 15.75”**
Height	**4 cm – 1.58”**
Weight/slab	**2.1 kg – 4.63 lbs**
Weight/m²	**10.5 kg – 23.15 lbs**
Coverage/slab	**0.20 m² – 2.15/ft²**
Coverage	**5 units/m² – 5 units = 10.76 ft²**
Items/pallet	**312 units**
Coverage/pallet	**40 m² – 430 ft²**
Material	**100% recycled plastic**
Connection	**T slugs and slots**
Colour	**Black**

KEY FACTS

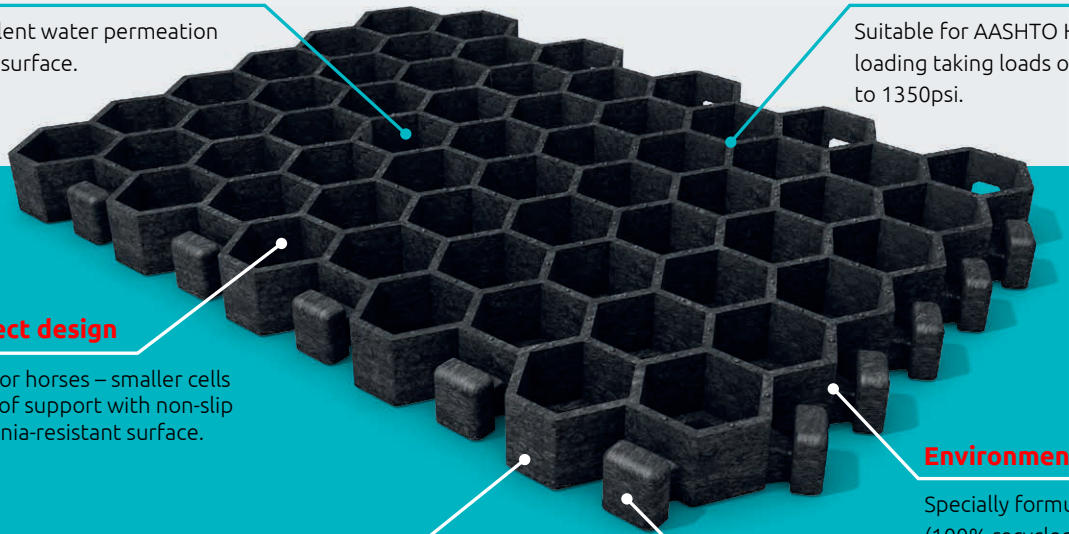
- Ideal aperture size for horses
- Excellent water permeation through the surface
- Durable, non-rotting and weather resistant
- High stability due to strong web
- Frost and UV-resistant
- Low maintenance and cost effective throughout the product life
- The lightweight interlocking design enables ease and speed of installation
- Equestrian Reinforced Ground Grids reduces the carbon footprint of a project and it is completely recyclable

Permeable design

Offers excellent water permeation through the surface.

Load capacity

Suitable for AASHTO HS25 loading taking loads of up to 1350psi.



Perfect design

Ideal for horses – smaller cells for hoof support with non-slip ammonia-resistant surface.

Environmentally friendly

Specially formulated **hanit®** (100% recycled plastic).

Ground erosion

Prevents erosion of earth, ideal at gateways and feeding points.

Stable

Connection fit improves stability with generous expansion capability.

34 Henry Street West,
St. Jacobs
ON N0B 2N0 Canada

+1 (877) 940-5081
homehardware1578@gmail.com
www.homehardware.ca

100% recycled
100% recyclable

TESTING ON ARTIFICIALLY MADE BEDDING

Test load (kN)	Crack detection	Breaking force (kN)	Test temperature
180	None	225	20 °C – 68 °F
180	None	228	20 °C – 68 °F

TESTING ON RIGID BASE

Test load (kN)	Crack detection	Load at plastic deformation (kN)	Test temperature
180	None	257	20 °C – 68 °F
180	None	263	20 °C – 68 °F

EVALUATION OF TEST RESULTS

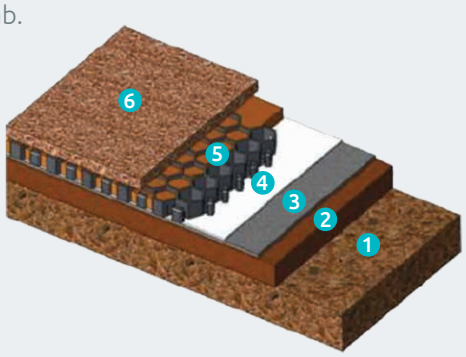
All the Equestrian Reinforced Ground Grids are capable of bearing the passage of a category SLW 60 heavy duty truck. Sufficient load bearing capacity of the ground according to the provisions of ZTV SoB 04 [2] is a prerequisite. The tested ground reinforcements are suited for application in fire lanes and parking areas for heavy utility vehicles.

LAYING INSTRUCTIONS

For areas under heavy usage (riding arena, lunging ring) we recommend an installation in layers consisting of a base layer, an equalising layer, the paddock slab with filling material as separating layer and a top layer or footing.

A permeable layer (approx. 20–25 cm (7.87–9.84")) of crushed rock, lava or gravel 2 is applied to soil with good bearing capacity 1 and compacted afterwards. A 2–4 cm (0.79–1.57") equalising layer of grit 3 is subsequently applied and levelled.

The slab 5 serves as separating layer. It is filled with grit, sand or gravel and prevents the mixing of base and footing layer. Separation can be improved by placing a permeable fibrous web 4 under the slab.



Finally, the footing 6 is applied. It may consist of sand, wood chips, fabric based or similar material.

For use in less stressed areas (paddocks, feedlots, access paths) the sub-base can be reduced according to the expected strain or the slab can even be placed directly on natural ground.

It cannot be guaranteed though that the slab will not sink into the ground.

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