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HIT Draingrid

23.5"x15.74" x 2.16" in (60 x 40 x 5.5 cm)
with transverse drainage system

FAQ about HIT Draingrids

The most important question first:

Why use HIT Draingrids?

Nowadays natural horsekeeping methods are growing in popularity. More and more barn owners are choosing to allow their horses to move freely in the open . This puts much greater demands on the surfaces of paddocks or outdoor areas. Above all, surfaces must be secure, non-slip and easy to clean; rainwater must drain away quickly. HIT Draingrids meet all these require-ments when they are combined with the proper designed foundations and a suitable surfaces.

Basics:

Where to install?

Paddocks, turnout, outdoor and indoor riding arenas, lunging arenas, Round Pens, and all other walkways and surfaces.

Integrated Transverse Drainage System?

The drainage capacity of the HIT Draingrid is considerable, due to their patented transverse drainage. The water can drain vertically and also horizontally through the open side walls.

Material?

Supple, durable, heavy duty recycled polyethylene, black in colour.

Size?

23.5"x15.74" x 2.16" in (60 x 40 x 5.5 cm) with transverse drainage

Using wheeled vehicles

Once installed as recommended, HIT Draingrids are can be driven upon with any tractor or other equipment provided the grides are filled. Turning in tight circles and braking sharply are not recommended.

Project management ?

The customer and the contractor will receive the necessary instructions for the correct installation of the HIT Draingrids. Ideally the planning for the drainage of the proposed area should be carried out by the contractor.

Water permeability?

The water permeable capacity of the ground is dependent on several factors. All the materials used for the top surface and foundations must be water permeable and free from mud and fine particles. If the surface is regularly cleaned and cleared of dung there will be fewer organic elements to restrict the permeability. If there isn't sufficient runoff during heavy rain or long periods of rain, the extraneous water must be allowed to flow away at the side through the provision of a gradient of about 1%.

Lifespan?

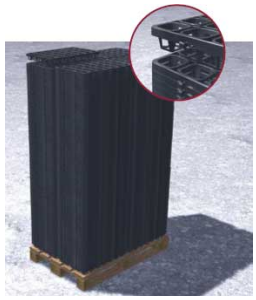
The HIT Draingrids, when installed as recommended, are protected from all external influences such as sunlight and mechanical damage. They have a very long lifespan.

Guarantee?

2 years

Delivery?

Truck with a tailgate is recommended if no forklift is available.



Pallet size: 48" x 32"x 90" disposable pallets

Weight and quantity?

100 grid layers per Palette = 1075 s.f.; approx. 845 lbs per pallet

4 grids of HIT Draingrids are connected as one layer [approx. 10.78 ft2 in

size]

Installation and implementation:

Recommended construction?

In practice the best solution is to prepare the ground using a weight-bearing layer of 4-6" 3/4 " drain rock, To avoid the coarse gravel mixing with the leveled earth beneath, a permeable fleece separating layer can be laid down. The surface should be built up so that both the surface water and the water in the weight-bearing and separating layers can run off to the side at all times. [See also the diagrams in the installation instructions.]

Recommended installation of HIT Draingrids:

Sand (surface layer) depth:

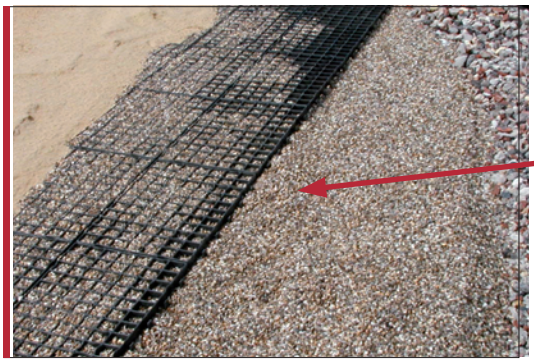
Box paddocks, small turnout: 2-3"
Larger turnout: 3-4"
Rolling Area: 4-5"
Round Pen: 4-5"
Note: For the HIT Draingrid to function well over a long period the sand must be replenished throughout the year

Fine grit filler (1/4" particle size): 1-2"

Coarse gravel (3/4" particle size): 4-6"

Geotextile

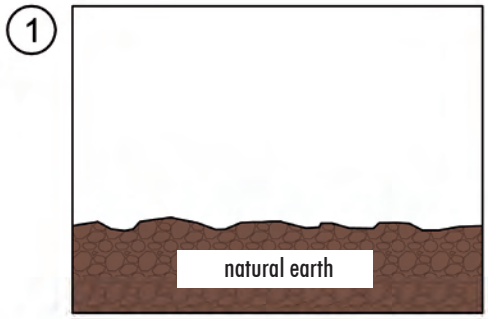
Undisturbed earth, capable of load-bearing; leveled to 1% gradient

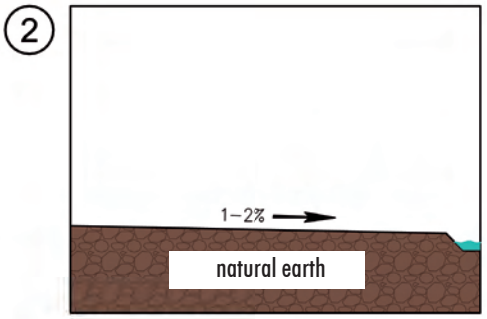


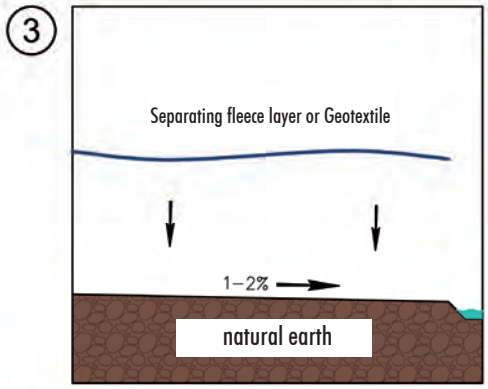
A 1" high layer composed of fine grit (1/4" particle size) levels out any unevenness in the coarse gravel weight-bearing layer and provides a good surface for laying the Draingrids

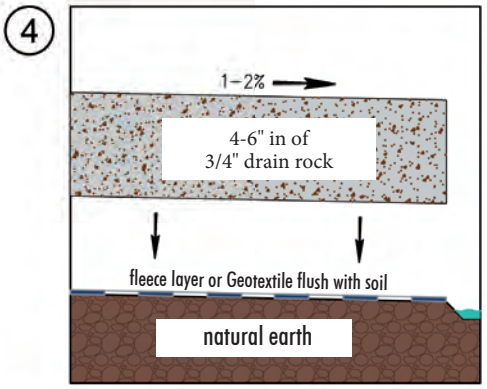
I feel so good!!

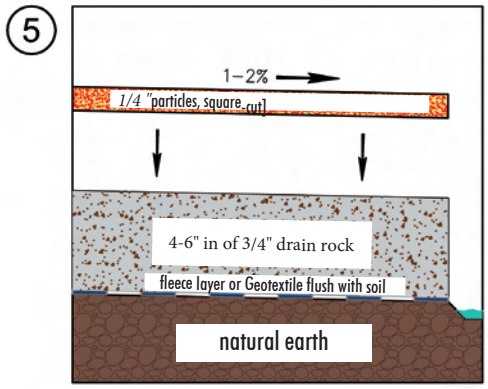
Steps to Installation?

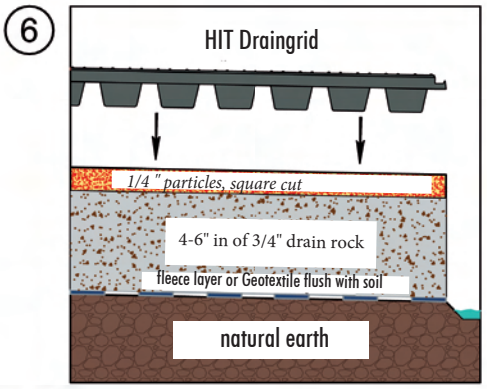


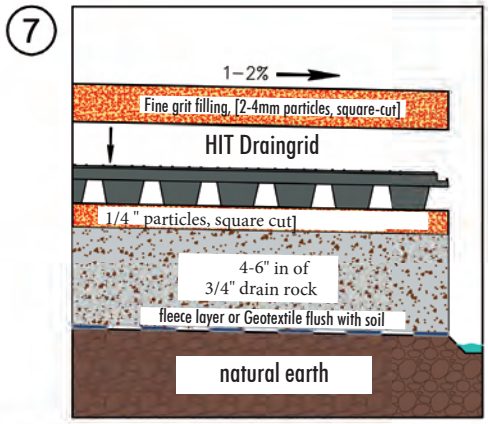


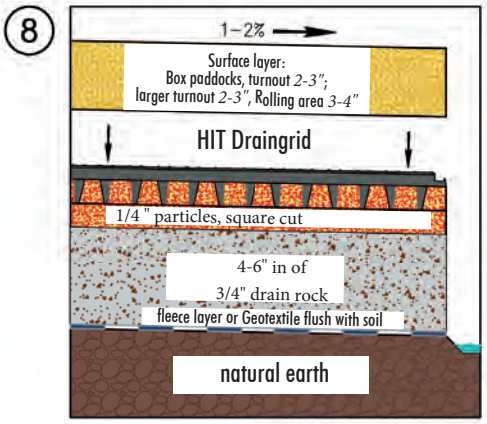












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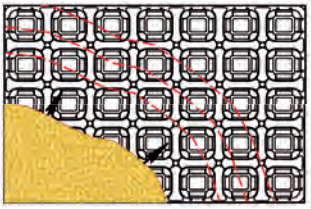
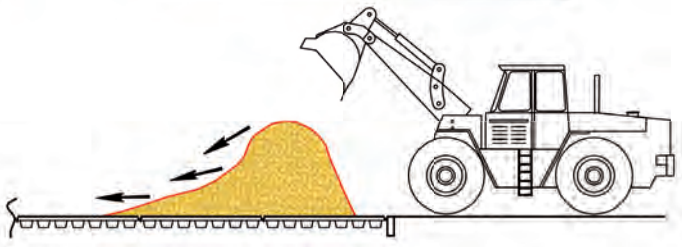


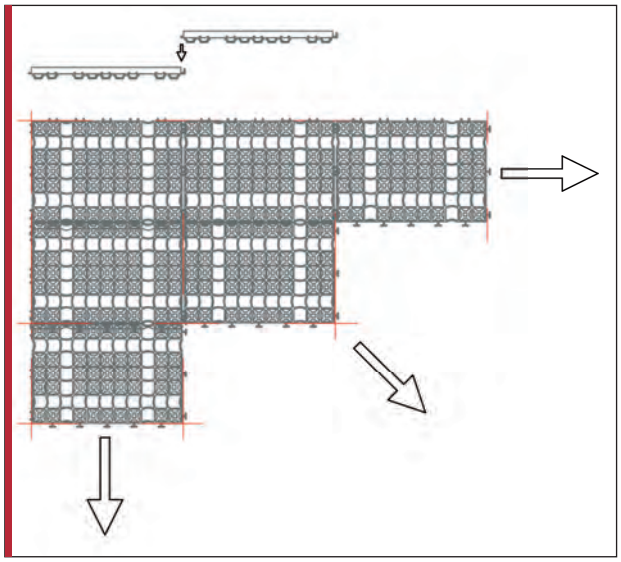


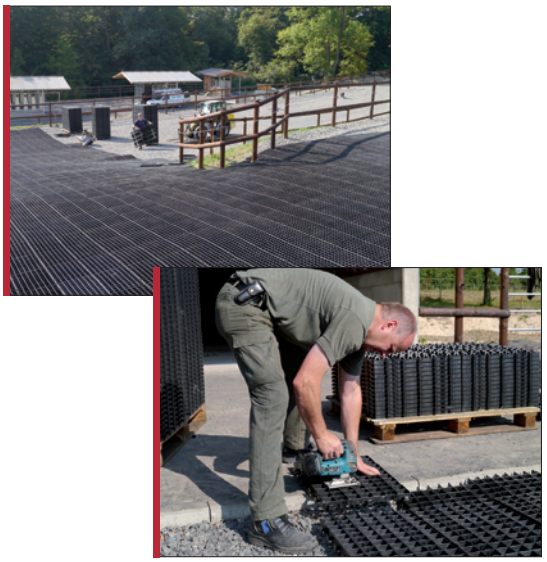
Filling in and applying the sand surface layer

Important Details and Practical Tips

Where to begin laying?

The HIT Draingrids are laid out from the corner. The connecting clips show the direction to follow. It is recommended to use guidelines for large surfaces. The HIT Draingrids' integrated expansion joints make the laying process easier.





Cutting?

Use any power saw to cut the HIT Draingrids to size. Note: ensure that any trimmed grids are connected to the adjacent grid via the connecting clips.

Curved / Circular surfaces?

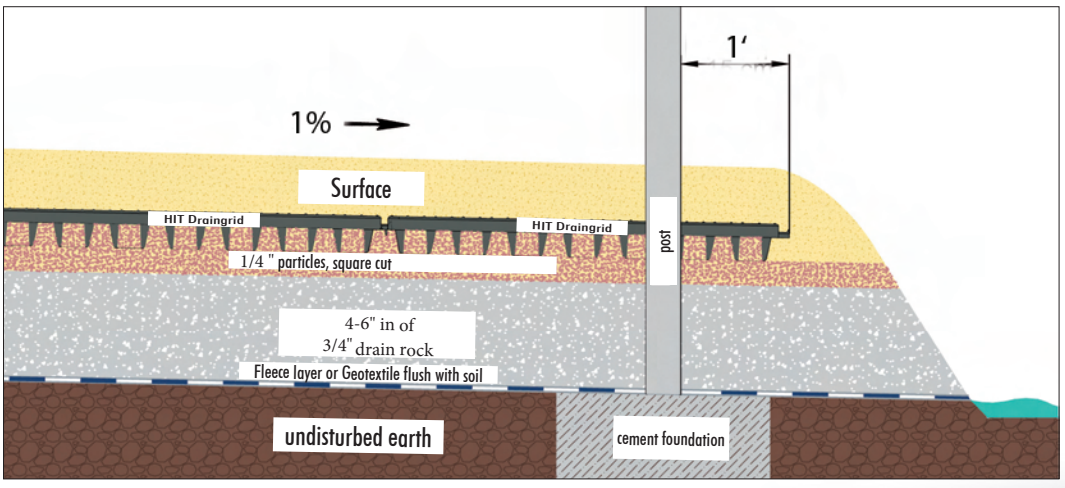
The stabilization of lunging areas or Round Pens is easily done. The HIT Draingrids are either trimmed to fit the curves or placed into position at the end of the laying area.

Gradient?

The HIT Draingrids need to be laid with about a 1% gradient [see also the recommended general instructions]. A steeper gradient can cause the sand surface to be washed away by rainfall.

Edges

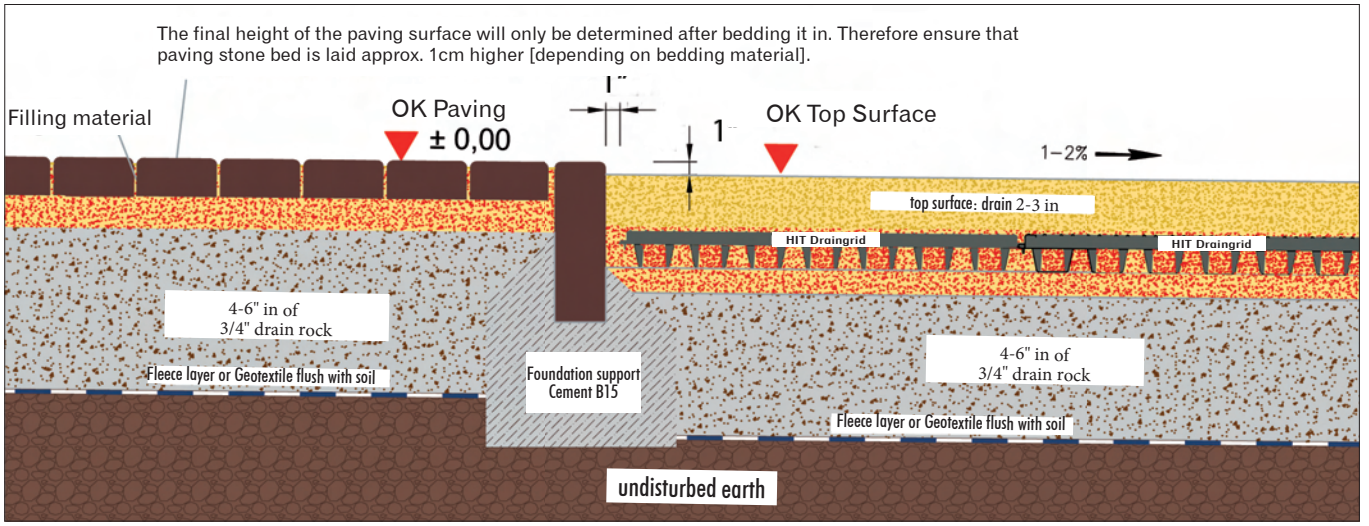
Lay the DrainGrids, making sure, to extend the DrainGrid by 1 ft below the fence line.



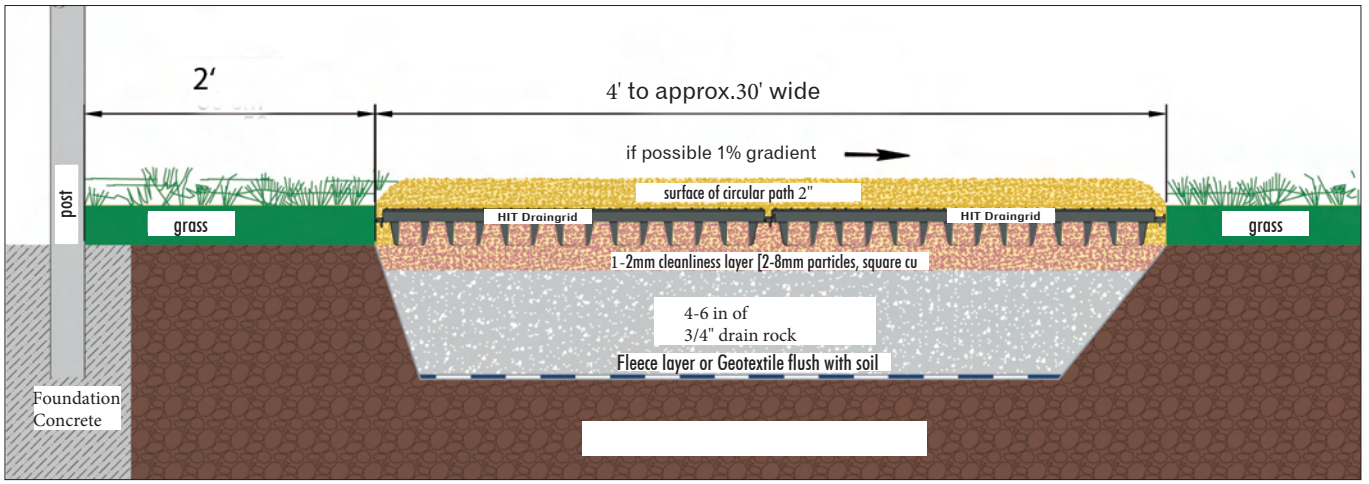
Laying in high outdoor temperatures?

Due to material expansion at high temperatures or direct sunshine, the top surface should be laid immediately after the HIT Draingrids have been filled.

Crossover from paving-stones to Draingrids?



Circular walking paths and exercise paths?



When a turnout area is created, many owners are now choosing to include a circular walking path to encourage the horses to be even more active. In addition to the stabilisation with **HIT Draingrids** of the whole surface, separate narrow walkways can also be created. The best solution for constructing them has been to use a coarse gravel weight-bearing layer of 6-10in, a **HIT Draingrid** separating layer with a grit filling and sand surface. Please note that the upper edge of the **HIT Draingrid** must be laid level with the surrounding earth. To prevent the coarse gravel mixing with the leveled earth beneath, a permeable fleece layer is laid down first.