



Product Name: Branded as **HoofGrid** and **HomeGrid** in the USA, bearing the German manufacturer's mark "Ecoraster 101 E-30".

Product Description: Latticed elements 33.3 x 33.3 cm; 3cm high with 5mm wall thickness, made of durable elastic high-pressure polyethylene with patented bonding-plug system, (Patent No. 0576939 EPA/EPO) produced from selected pure recycled PE. The elements are resistant to fracture (-50° to + 90° C), resistant to UV and frost, long-lived, incorruptible, non-polluting as well as resistant to ammonia, lactic acid, street salt, hot asphalt, gasoline., and 100% recyclable. (According to TÜV/Environmental Certificate). It has been demonstrated that **HomeGrid** and **HoofGrid** do not contain any pollutants for ground water and ground organisms.

- Suggested Application Areas:**
- ▶ Horse stables, paddocks, arenas
 - ▶ Turnouts and riding paths
 - ▶ Race tracks
 - ▶ Side yards at homes
 - ▶ Slope retention for hillsides and erosion control
 - ▶ Livestock wash areas
 - ▶ Drainage culverts and ditches
 - ▶ Dog kennels and runs
 - ▶ Grassy Park public areas

Installation: **HomeGrid** and **HoofGrid** can be "cut to fit" at the installation site quickly and free of problems, pre-cutting is not required. They may be cut with an angle grinder or circular saw, for small jobs with the compass saw or handsaw and the like.

Technical Information: * According to current state of knowledge without claim to completeness.



- Dimensions: 33.3 x 33.3 x 3.0 cm
- Lattice size: 6.0 cm
- Web width: 0.6 mm
- Wall thickness: 3.0 mm
- Porosity: 82% open
- Own weight: 6.20 kg/m²
- Resistance to Pressure: 150.0 to/m²
- Max. shearing load: ~ 1.1 to/m
- Load capacity: 20 to/axle (metric tonnes)
- Tested by: TÜV and LGA
- Standard color: black

Material: PE (Polyethylene)



- Configuration: Coloring by means of 1-3% pigment, UV Stabilized
- Stability of shape: Temperature range from -50° to + 90° C
- Change of Shape: ~0.5% (at standard temperature +20 ° + 80 °)
- Absorption of moisture: 0.01%
- Environmental compatibility: Completely harmless, material tested, neutral for ground water
- Solubility: Resistant to acids and leaching solutions (salt, Ammonia, acid rain, etc.) as well as alcohol.
- Physical strength: Safety factor 1.3
- Joint strength of the latches: <530 N
- Guaranteed resistance to pressure of the surface: 150,000 kg/m²
- Maximum shearing load of the attachment elements: 1,1 to/m
- Delivery form: 71 sheets, 12 pieces/sheet
each pallet = 94,43m² = 1018 ft²
- Installation speed: up to 100m² per hour per worker

Underground Construction:

Depends on site condition.

Suggestion: Construct a basis of gravel 5/32 on the foundation soil with a slope of about 3° depending on the load 45-60 cm. Introduce an equalizing layer of 2-5 cm fine gravel (5/8-“ crushed rock), lay out the plugged-in 12unit honeycombs, snap them together and tamp with plate vibrator or heavy cylinder. Ready.

Other Variations: For additional or special applications contact us!

Filling for Landscaping:

Fill the honeycombs with a commercial mixture, or one of 60% sand and 40% topsoil, sow with grass seeds, with 1-2 cm overfill above the top edges of the grids. After placement and during the germination phase “water” sufficiently.

Fine Gravel Filling:

Fill the honeycomb cells with fine gravel 3/5 (or of equal value) and overfill by 1 cm! (Overfill required for outside use)

Delivery:

1 Pallet. = 94,43m² = 71 layers (each layer consisting of 12 pieces) = 852 pieces/Pallet

Pack dimensions:

Dimensions of pallets: 105cm x 135cm x 223cm (BaWaHa)

Weight of Pallets: About 585 kg/pallet

Contents of Container: 20 Pallets/container (hand packed)
= 1,888.60m²/container
= 20,321 sq. ft./container (AVDP)

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