



Product Name: Branded as **HoofGrid** and **HomeGrid** in the USA, bearing the German manufacturer's mark "Ecoraster 101 E-30" or "Ecoraster 101 EL-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 DIN 38412). 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
 - ▶ Driveways and parking areas.
 - ▶ Drainage culverts and ditches
 - ▶ Dog kennels and runs
 - ▶ Grassy Park public areas
 - ▶ Driving roadways through lawns

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: 4.0 mm
- Porosity 82% open**
- Own weight: 6.20 kg/m²
- Resistance to Pressure: 120.0 to/m²
- Max. shearing load: ~ 1.1 to/m
- Load capacity: 20 to/axle (metric tonnes/vehicular axle)**
- 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: 120,000 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" clean/washed 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. **NOTE:** overfilling may result in disabling the permeable nature of a vehicular roadway using HomeGrid.

REASON: the stone on the surface may eventually become compacted. For a permeable roadway, the vehicles' tires must be supported by the exposed edges of the grids.

Delivery:

1 Pallet = 94,43m² = 71 layers
(each layer consisting of 12 pieces)
= 852 pieces / Pallet
= 1018 ft² / 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
= 20,379 ft²/container (AVDP)

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