



Product Name:

Branded as **StabiliGrid-40™** in the USA; bearing the German maker's mark: "ecoraster 101 E-40" or "ecoraster 101 EH-40."

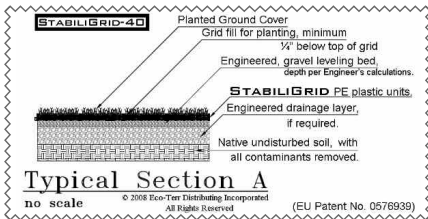
Product Description:

Latticed elements 33.3 x 33.3 cm; 4cm high with 4.5mm external and 3.5mm internal wall thicknesses, made of durable elastic high-pressure polyethylene with patented interconnecting system, (Patent No. 0576939 EPA/EPO). Produced from selected pure recycled PE.

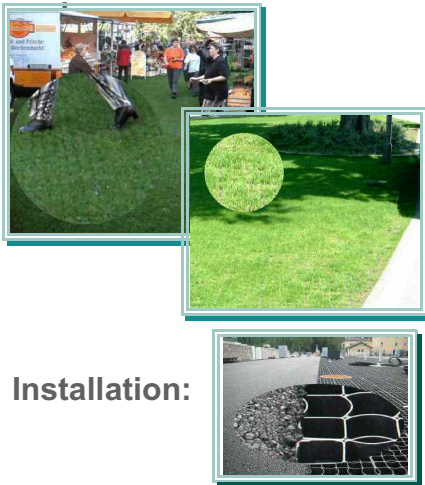
The elements are resistant to fracture (flexible from -50° to +90° C || -58° to +194° F), resistant to UV and freezing, long-lived, incorruptible, non-polluting as well as resistant to ammonia, acids, street salt, hot asphalt, gasoline and petroleum distillates. 100% recyclable.

(According to TÜV/Environmental Certificate **DIN 38412**).

It has been demonstrated that **StabiliGrid-40™** does not contain any pollutants for ground water and ground organisms.



Suggested Applications



- ▶ Drainage culverts and ditches
- ▶ Slope retention and erosion control
- ▶ Porous paving - vehicular or pedestrian traffic surfaces
- ▶ Pervious Parking - *green grass parking lots*
- ▶ Pervious Parking - *natural crushed gravel roadways and driveways.*
- ▶ Grass Reinforcement - *prevention of damage to root structures from pedestrian or vehicular traffic*

Installation:

STABILIGRID-40™ may 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.

For more information, please refer to:

Demonstrations, examples » www.stabiligrid.net
More technical information (for design/build users) >> www.stabiligrid.biz
Brochures, other media » www.ecoterr.com/et_brochure_downloads.html

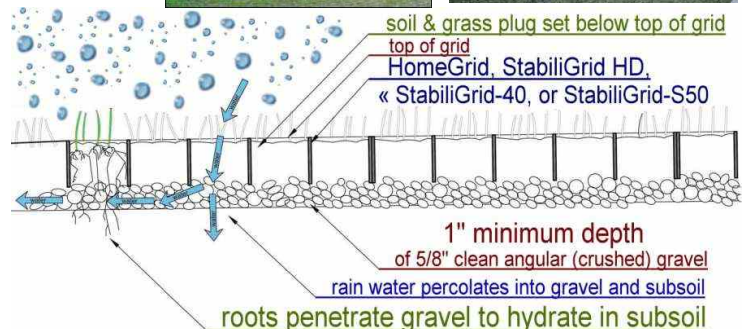


The following typical, generic installation information is provided for illustration purposes only.

The following are provided only as concepts and guidelines.

These are not provided as site-specific installation instructions.

Please request information concerning your project ...



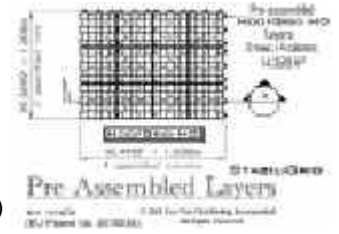
Technical Information:

* According to current state of knowledge without claim to completeness.

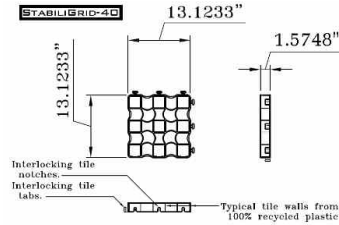
STABILIGRID



Dimensions: 33.3 x 33.3 x 4.0 cm
 Lattice size: 6.0 cm
 Web width: 0.6 mm
Porosity: 86% Open
 Wall thickness I/O: 3.50 mm / 4.50mm
 Own weight: 6.30 kg/m² (1.29 lbs/ft²)
 Resistance to Pressure: 120.0 to/m² (24,577.94 / ft²)
 Max. shearing load: ~ 1.4 to/m
 Load capacity: 20 MT/axle (22.45 US tons/axle)
 Tested by: TÜV, BECETEL and LGA
 Standard color: black



Material: 100% PE base material (Polyethylene) [<5% pigment, Anti-UV, carrier agents, etc.

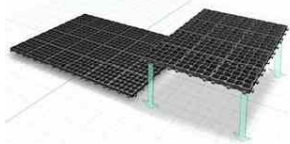


Typical Grid Tile
 no scale (EU Patent No. 0576939)
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Configuration: Coloring by means of 1-3% pigment, UV-Stabilized
 Stability of shape: Temperature range from -50° to + 90° C
 Change of Shape: <0.5% (at standard temperature +20° to 80° C)
 Absorption of moisture: 0.01%
 Environmental compatibility: Completely harmless to plants, animals and microorganisms, material tested groundwater neutral
 Solubility: Resistant to acids and leaching solutions (salt, Ammonia, acid rain, etc.) as well as alcohol.
 Physical strength: Safety factor 1.3
 Guaranteed resistance to pressure of the surface: 120,000 kg/m² || 12.289 US Tons / ft²
 Maximum shearing load of the attachment elements: 55 sheets, 12 pieces per sheet
 Delivery form: = 660 pieces (73.33 m² || 789 ft² per pallet
 Installation speed: up to 100 m² per hour per worker (1,076 ft²/man-hour)

Ground Preparation: (generic, not site-specific):

Depends upon site condition: LOCAL conditions and usage will prevail.



- ▶ **Drainage** - if required: Construct a drainage layer using 5mm to 32mm clean angular rock (a.k.a. "ASTM 57 Clean" 5/8" to 3/4" inch diameter).
 - ▶ Depth of this layer will depend upon the local soil type, ground condition and climate. From zero to 45-60 cm depth (0" to 24").
- ▶ **Subbase:** Introduce an equalizing (leveling or "choker") layer of 5/8"-3/4" diameter clean/washed, angular gravel. Depth of this layer should be 3 to 5 cm (1.2" to 2").

Installation:



- ▶ Lay out the pre-assembled 12-piece layers of grids, snap them together and consolidate by tamping with plate vibrator or heavy cylinder.

Backfill:

- ▶ For backfill, an angular or round medium may be used.
- ▶ Fill the open cells with 5/8" diameter or smaller clean, washed gravel.

Finished Surface:



- ▶ An overfill may be used, but it is not required.
- ▶ An overfill is not advised or specified: for pervious paving applications.
- ▶ For backfilling, and for the overfill/topcover, a rounded clean stone ("pea gravel," "coarse grit" or "buckshot") may also be used.
- ▶ The size of the backfill medium should be sufficient to preserve drainage (sufficient void space), and to resist migration (due to wind or water), while remaining small enough to work easily using hand tools.

Delivery:

Pallet= 73.33m² (789ft²) = 55 layers (1 layer = 12 pieces) = 660 pieces/Pallet

Pack dimensions

Pack dimensions:

Dimensions of pallets: 105cm x 135cm x 223cm | 42"x53"x92" (BaW aHa)
 Weight of Pallets: ca. 470 kg/pallet || app. 1,036.2 lbs/pallet
 Contents of Container: 20 Pallets/container (3 pal. are hand packed)
 = 1,466.67 m²/container = 15,787.09 ft²

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