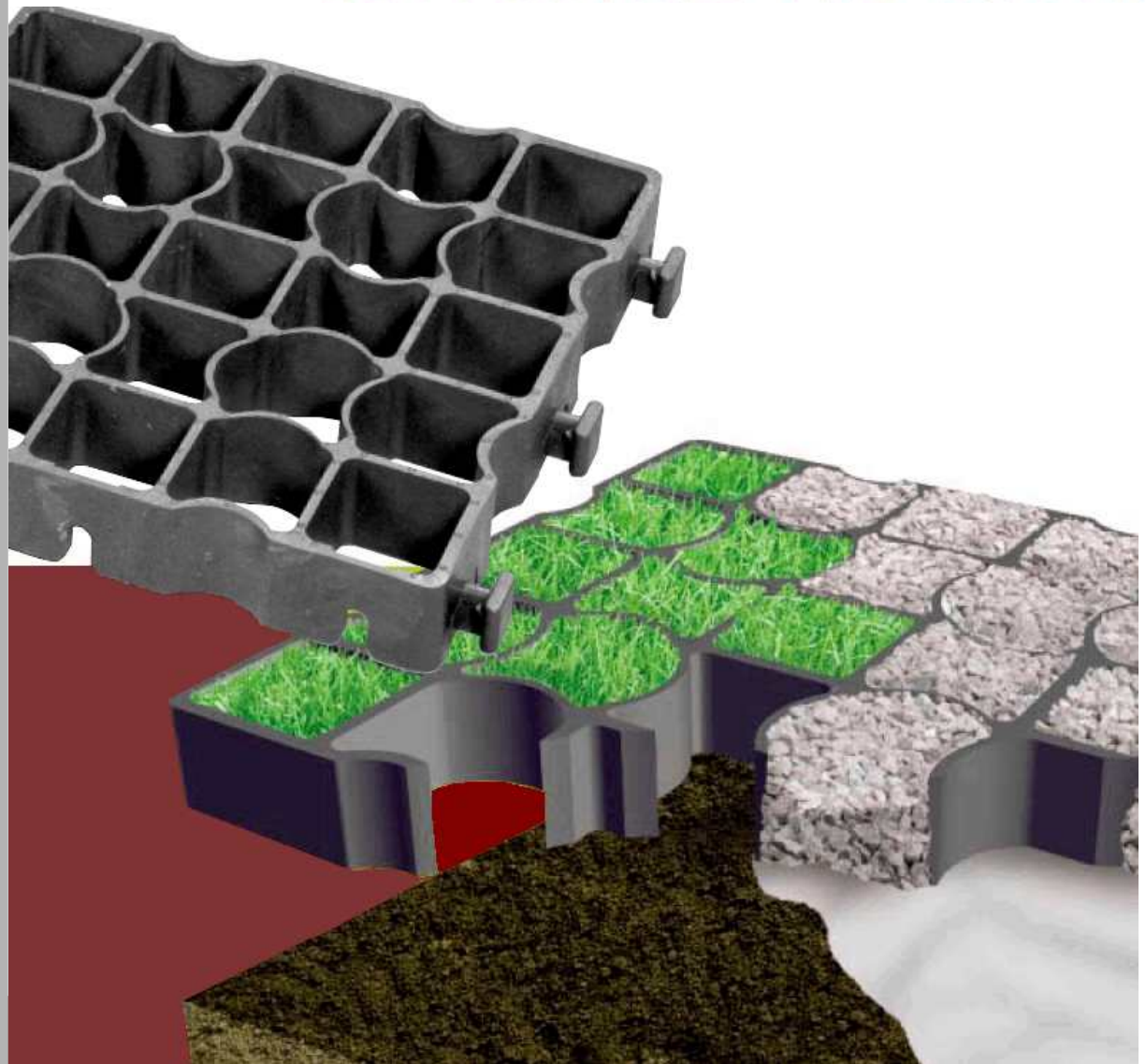




# STABILI SGRID

SUPPORTING THE EARTH





# StabiliGrid and HomeGrid

## Advantages that count . . .

### Quick and easy to install ...

(Up to 1,000 sq. ft. / man-hour)

### ... due to its light weight

(as little as 15 lbs / 12-piece layer)

### Reduced ground preparation, construction and environmental compliance costs ...

**SWR** - Stormwater Runoff Management design features are eliminated or greatly reduced, when properly installed.

**LID** - Low Impact Development concept: minimal disturbance of soil during construction, and allows easily returning the land to its previous native state when no longer required.

### High compressive strength

(up to 35 tons per square foot, US-AVDP)

### High tensile strength

(Up to 5.6 kilonewtons / m)

### Patented interlocking system

(DE/EU Patent No. 0576939)

### Surface reinforcement with natural drainage

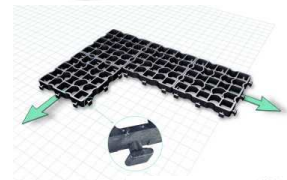
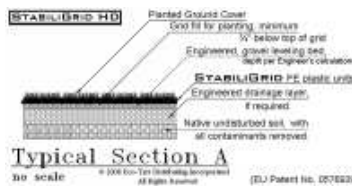
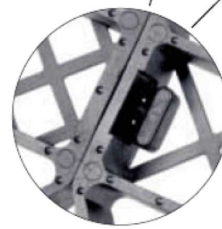
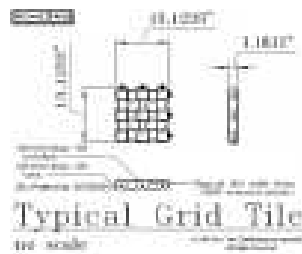
Preserves and protects the earth's native drainage capabilities.

### Extremely versatile, it may be cut to shape using common hand or power tool.

- ▶ Low-or-No maintenance
- ▶ Non-slip and crack proof: remains **flexible** + elastic, from minus 58 to plus 194 degrees Fahrenheit.
- ▶ Weatherproof and environmentally friendly
- ▶ Withstands freezing and UV radiation
- ▶ It resists expansion due to high ground temperatures.

### Areas of use:

- ▶ Car parking and access roads
- ▶ Emergency access routes
- ▶ Construction site paths and staging areas
- ▶ Helicopter landing places
- ▶ Slope retention and erosion control
- ▶ Pervious Parking - green grass parking lots
- ▶ Pervious Parking - natural crushed gravel roadways and driveways
- ▶ Tree root protection
- ▶ Slopes and embankments
- ▶ Road extensions and widening



### The patented safety interlocking system sets new standards . . .

- ▶ The system (EU Patent No. 0576939) ensures a strong connection between the individual pieces of grid.
- ▶ Resulting in a contiguous layer that permanently prevents the intermingling of the subsoil with the top cover.
- ▶ Operating on "the snowshoe principal," this contiguous layer disperses vehicles' weights over a greater surface area.
- ▶ Meaning your car or truck (or dump truck or steamroller) simply does not weigh enough to press the top layer down into the subsoil.



**Step1:** We've already saved you some work. 12 Individual grids are pre-connected in easy-to-install units. This means you may install 12 grids at a time.

**Step2:** The rows are placed up against the already installed grids, and the grid-locking tabs and slots are aligned.

**Step3:** You can now snap the 12-piece layer into place with your foot.

**Step4:** It's just that easy - the grids are locked into place and anchored. This rules out the possibility of raised edges, disconnections or migration.

## General Installation Instructions for Installing **STABILIGRID** and **HOMEGRID**

**Filling Materials:** The grids may be filled with a wide range of materials.

**For grass vehicular surfaces** (parking and roadways) we recommend sand/humus mixtures (in a 60/40 ratio). The grids may be filled to within approximately ¼" to ½" below the tops of the cells. For hydro-seeding, fill grids completely to the top edge.

**Types of Grids:** You may choose **HOMEGRID** or **STABILIGRID**, according to your intended use. These have been developed and optimized for different requirements, providing an ideal solution for every soil stabilization or ground reinforcement problem. Feel free to ask us, we'll be happy to suggest products and installations.

**Leveling Layer:** To level any possible unevenness in the ground or drainage layer below the grids, the system requires a layer of 5/8" crushed gravel (minimum depth of 1"). This surface of this layer should be made level before the grids are applied on top of this leveling layer.

**Drainage Layer (IF required):** To ensure optimum drainage, 5/8" CLEAN or washed angular crushed stone should be used as a base (avoid aggregates or composites). It is important to use a hard crushed stone such as granite (softer stones may eventually compact and become impervious to drainage). The drainage layer - IF required - should be about 1" to 2" deep. The depth of this drainage layer may require compliance with local standards (vehicular surfaces), following the applicable regulations for roadway, parking or sidewalk construction.



**As diverse as nature itself:** The soil reinforcement system may be adapted to existing conditions. Once installed, it is completely natural in appearance as well as providing high strength and durability.

**Further applications:** For other areas of use, such as equestrian and outdoor events, **HOOFGRID** and **HOOFGRID HD** applications have been developed. *Please ask us for more details.*

**Please note:**

**StabiliGrid** and **HomeGrid** are not the fracture-prone HDPE stabilizer grids, previously familiar to the American market.

Please compare the FLEXIBILITY and Durability of these original, German-engineered and manufactured systems, before making a purchasing decision.

Competitive sampling is always advised, and is available upon request.

**Specifications**

Descriptions:	<b>HOMEGRID</b>	<b>STABILIGRID</b>
Dimensions:	33 x 33 x 3cm	33 x 33 x 5cm
Wall height:	3 cm	5 cm
Compressive Strength:	12.89 tons/ft <sup>2</sup>	35 tons/ft <sup>2</sup>
<b>Vehicular LOAD:</b>	<b>20 Metric Tonnes, 22.45 US Ton/per Axle</b>	<b>20 Metric Tonnes 22.45 US Tons/ Axle</b>
Packaging:	12-piece layers	12-piece layers
Coverage/Layer:	1.33 m <sup>2</sup> , 14.3519 ft <sup>2</sup>	1.33 m <sup>2</sup> , 14.3519 ft <sup>2</sup>
Layers//Pallet:	71 layers/pallet	43 layers/pallet
Coverage/Pallet:	1018 ft <sup>2</sup> /pallet	618 ft <sup>2</sup> /pallet
Material:	Recycled PE	Recycled PE
♻️ Environmental:	<b>100% Post-Consumer*</b>	<b>100% Post-Consumer*</b>
Stability	-50° to +90° C	-50° to +90° C
Humidity absorption:	0.01%	0.01%
Porosity:	<b>82% porous</b> ("open")	<b>82% porous</b> ("open")

♻️ \* 100% Post consumer content recycled PE base material plus 1-3% for pigmentation and UV-Stabilization.

*Environmentally Friendly, Ecologically Sound,  
Ground Water Neutral (inert compounds), UV-  
Resistant, Multiple Certifications under German  
TÜV and LGA testing, ISO-9001 compliant,  
quality manufacturing.*