



[www.versigrd.com](http://www.versigrd.com)

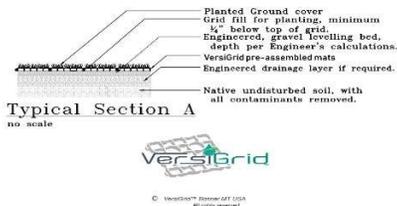
## Manufacturer's FactSheet Paving and stabilization

**Product Name:**

Branded as *VersiGrid™ L/D1.0 grade* in the USA and Canada. Made in the USA.

**Product Description:**

**Self-connecting grid tiles: 12" x 12" x 1.0 inches tall (30.48 x 30.48 x 2.54 cm) made of durable elastic high-pressure recycled plastic.**



The grid tiles are resistant to fracture (flexible from -50 to +90 C 11-58 to +194F), resistant to UV and freezing resistant to ammonia, acids, street salt, asphalt, gasoline and petroleum distillates. 100% recyclable.

*VersiGrid™ L/D1.0* is safe to use around ground water and plants.

### 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:**



*VersiGrid L/D1.0* 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:

Technical information (for design/build users), Brochures, other media  
[www.versigrd.biz/brochures\\_downloads](http://www.versigrd.biz/brochures_downloads)



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

*The following are provided only as concepts and guidelines.*

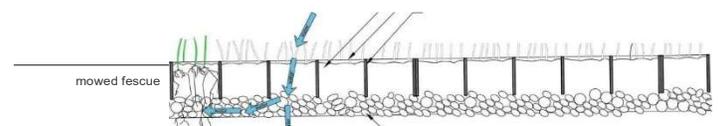
*These are not provided as site-specific installation instructions.*

*Please request information concerning your project*



### VersiGrid Detail

installation graphic  
downward sloping driveway edge



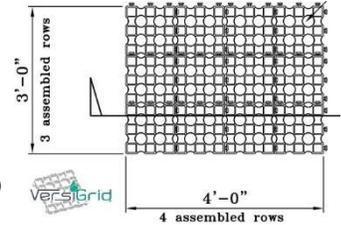
**Technical Information:**

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



**VersiGrid™ L/D1.0 grade**

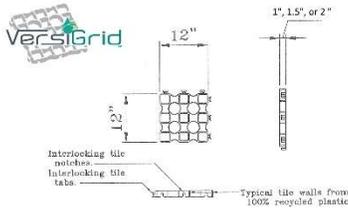
Dimensions: 12 in x 12 in x 1.0 in  
(30.48 x 30.48 x 2.54 cm)  
Cell width: 2.2 inches avg. (5.58 cm)  
**Porosity: 86% Open**  
Wall thickness I/O : 0.150 / 0.20 inches  
Weight: 1.0 lbs/ft<sup>2</sup> (.45 kg/m<sup>2</sup>)  
Load bearing capacity: 25 tons/axle (22.7 mt/axle)



Compressive Strength: conservative at 12.3 tons/ft<sup>2</sup> (120 mt/ m<sup>2</sup>)

Standard color: black

**Material:** 100% recycled plastic, proprietary blend [ <5% pigment, Anti-UV, carrier agents, etc.



**Typical Grid Tile**

no scale

Guaranteed resistance to pressure of the surface:

Colorant: Coloring by means of 1-3% pigment, UV-Stabilized  
Stability of shape: Temperatures from -58to +194 F (-50 - +90 C)  
Change of Shape: <0.5% (at median temperature +68 to +176 F)  
Absorption of moisture: 0.01%  
Environmental compatibility: harmless to plants, soil, air and water microorganisms, groundwater neutral  
Solubility: Resistant to acids and solutions (salt, Ammonia, acid rain, etc.) as well as alcohol.  
Delivery form: 12 pcs per sheet ("layer" on pallet)  
Installation speed: 1,000 ft<sup>2</sup>/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 5/8" - 1.5" clean angular rock (a.k.a. "ASTM 57 Clean", 5mm to 38mm diameter).

- Depth of this layer will depend upon the local soil type, ground condition and climate. From 2 - 24" depth (5-61 cm)

**Subbase:** Introduce an equalizing ("leveling") layer of 5/8" - 3/4" diameter clean/washed, angular gravel. Depth of this layer should be a minimum of 2-4 inches (5 to 10 cm)

gravel/sandy soil mix (60/40) is used for grass applications

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



**Installation:**

**Backfill:**

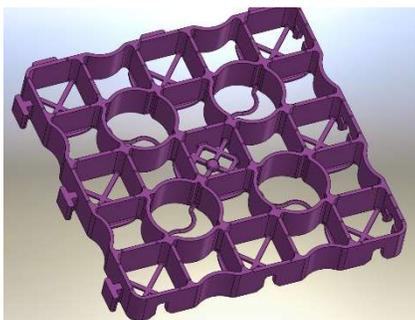
- For backfill, an angular or round medium may be used. Fill the open cells with 1/2" diameter or smaller clean, washed gravel.

**Finished Surface:**

An overfill may be used.

For backfilling, and for the overfill/top cover, a rounded clean stone ("pea gravel," "coarse grit" or "buckshot") may 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:** VersiGrid™ L/D1.0 grade

Pallet= 1080 ft<sup>2</sup> ( m<sup>2</sup>) = 90 layers (1 layer= 12 pieces)= 1080 pieces/Pallet

**Pack dimensions**

Dimensions of pallets: =37 x 49 x 96 inches (93.98 x 124 .46 x 243 .84 cm)

Approx. Weight of Pallets: = 1,100 lbs/pallet (499 kg/pallet)

Contents of Truckload: = varies per carrier (20 or more pallets/load typ.)

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