



ARTIFICIAL TURF



DECOMPOSED GRANITE



AGGREGATE INFILL

Alternative In-Fills

Property	Value
Nominal Area LxWxH	24" X 24" X 1.5"
Gross Area of Each Mat	4 S.F.
Concrete Strength	5000 Psi
Weight of Each Mat	45 Lbs
Flexibility Min. Radius of Curvature	12 in
Plantable Area	60% / 100% for Sod
Concrete Surface Area	40%
Concrete Bearing Area	88%
Mats Per Pallet	60
Area Covered Per Pallet	240 S.F.
Color*	Buff/Tan, Grey, Terracotta

\* Other Colors Available For Special Order

At Soil Retention, we believe it's up to all of us to help keep our neighborhoods healthy and clean. The permeable properties of Drivable Grass® enable precipitation to infiltrate into the underlying soil, thus increasing on-site storm water storage and minimizing storm water runoff that goes into the ocean, rivers and lakes... helping solve one of the biggest environmental problems facing our country today.

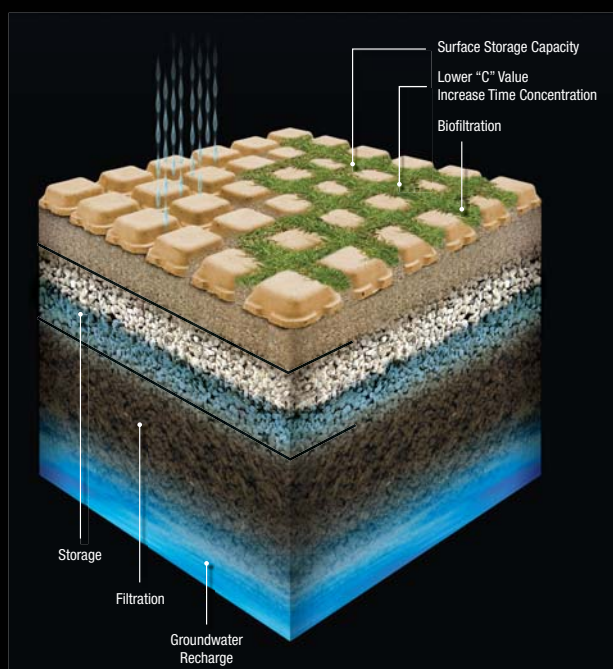
### Your Part in Helping the Environment.



Drivable Grass® mats consist of concrete "muffins" that are connected by a grid system. The mats can flex and conform to minor ground movements and imperfections. Drivable Grass® eliminates sharp edges common in other products, and won't crack and break like large rigid concrete blocks. Installation is similar to conventional pavers except laying Drivable Grass® is much easier due to the size of the mat. This thin profile, permeable, and flexible concrete paving mat promotes superior root penetration and moisture containment beneath the product resulting in healthy turf.

## DRIVABLE GRASS®

permeable flexible and **plantable** concrete pavement system.



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## SOIL RETENTION

Plantable concrete systems®

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TURF



AGGREGATE INFILL / TURF



TURF

A revolutionary, permeable, flexible and **plantable** concrete pavement system.

## DRIVABLE GRASS®

### The Many Uses For Drivable Grass®



#### Residential Applications

- Driveways
- Pet Digging Control
- RV & Boat Access/Parking
- Parking Areas
- Truck & Car Wash Areas
- Outdoor Shower & Drinking Fountain Runoff Areas
- Roof Runoff Erosion Control
- Courtyards/Patios
- Pathways
- Trash can / storage shed pads

#### Commercial Applications

(not covered by this brochure)

- Fire Access Lanes
- Emergency Vehicle Access Drives
- Service Vehicle Utility Roads
- Truck Maintenance and Equipment Yards
- Bioswales/Drainage Channels
- Parking Lots

And Much More!

## DRIVABLE GRASS®



## SOIL RETENTION

Plantable concrete systems®





## Plan and Prepare.

Decide where you want to install Drivable Grass®. Draw and measure the area.

For design ideas and installation methods, go to [www.soilretention.com/drivable-grass/do-it-yourself](http://www.soilretention.com/drivable-grass/do-it-yourself)

Once you have decided on the size of your installation, determine how deep you need to dig and estimate the amount of materials needed. The depth depends on the project area's soil type and the proposed use. Don't forget to include the thickness of the Drivable Grass® mat (1.5"), and the bedding layer (2"). **See Tables 1 & 2.**

Check with your local suppliers for the best regional materials.

## Excavate and Compact.

Mark the area using a string line, powdered chalk, or spray paint.

Excavate the area and compact it.

For driving use, place a geotextile fabric on the area if the native soil is clay or silt.

Install your irrigation, drainage, and lighting systems within the area. This is also the time to install any required edging.

## Install the Base and Bedding Layers.

Fill the area with base material and compact with a mechanical compactor.

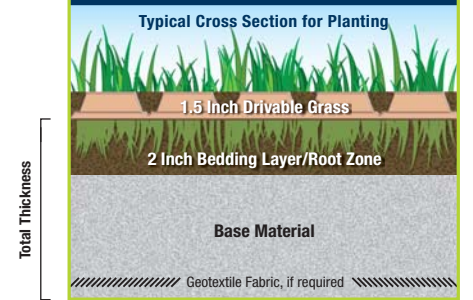
Add the bedding layer. The bedding layer is a blend of 75% clean sharp sand (ASTM C33) and 25% fine granular compost. The bedding layer should be approximately 2 inches thick.

For non-planted applications, eliminate compost and reduce the bedding layer thickness to .25" to 1.0" of clean sharp sand (ASTM C33) for leveling.

**TABLE 1- Base Thickness Guidelines for Planted Applications**

Existing Soil Type	Pedestrian Load Areas Pathways & Patios	Light Load Traffic Areas for Planting Residential Parking & Driveways	Medium Load Traffic Areas Motor Homes, Boat Trailers, Delivery Vehicles
<b>GRAVEL &amp; SAND:</b> Coarse-Grained Soils • Soil Drains Well	Base: Not Required Total Thickness: 3.5 inches	Base: 0 - 4 inches Total Thickness: 3.5 - 7.5 inches	Base: 4 inches Total Thickness: 7.5 inches
<b>SILTY SOILS:</b> Fine-Grained Soils • Soil Drains Poorly	Base: Not Required Total Thickness: 3.5 inches	Base: 4 inches Total Thickness: 7.5 inches	Base: 6 inches Total Thickness: 9.5 inches
<b>CLAY SOILS:</b> Very Fine-Grained Soils • Soil Doesn't Drain	Base: 0 - 4 inches Total Thickness: 3.5 - 7.5 inches	Base: 6 inches Total Thickness: 9.5 inches	Base: 10 inches Total Thickness: 13.5 inches

**TABLE 2**



## Level, Then Install Drivable Grass® Mats.

Spread the bedding layer and screed it. You can use a 2"x4" board sliding on pipes to achieve a level surface.

Similar to installing tiles, installing Drivable Grass® in more than one axis at a time could result in a significant alignment problem. Securely butt mats up against each other – leaving no gaps. Be sure to check the alignment in both directions, and make minor adjustments to ensure straight lines.

The grid inside the Drivable Grass® mats can be cut with a utility knife or chisel to fit site conditions. At terminating edges or curved installations, the mats should be fit with a masonry blade on a rotary saw.

If you need to use partial mats, place them near the edges where driving is limited.

Lightly compact the finished surface with a mechanical compactor. To protect the concrete, cover the steel plate of your compactor with a fabric.

## Fill and Seed.

Fill the Drivable Grass® mats with the same bedding material as used above. Use a broom to spread the material evenly and leave the soil mixture 1/4" below the top of the Drivable Grass® surface.

Broadcast grass seed evenly over the Drivable Grass® mats. Contact your local nursery to determine the best seed mixture for your region's climate and proposed use.

Lightly cover the grass seed with a seed cover and keep moist to secure germination.

When installing sod, completely cover the Drivable Grass® mats with about 1/4" of the soil mixture above the surface of the Drivable Grass®. Then place the sod over the soil, water lightly and roll with a landscape roller.

For non-planted installations with alternative infills, such as 3/8" minus angular rock, sweep infill evenly and leave just below the Drivable Grass® surface.

For non-planted driving applications, staggering of mats and staking are required. See <http://www.soilretention.com/drivable-grass/do-it-yourself/drawings/> for details.

## Finishing.

Keep the soil moist to establish the new grass.

Mow the project area for the 1st time when the grass reaches a height of 2 to 3 inches. Wait until you have mowed the project area twice before driving on it to protect the grass.

You can drive on sod after 2 mowing cycles, when the roots have grown below the mats.

You can drive on alternative infill immediately.

**Do-it-yourself instructions inside**