DRIVABLE GRASS® for Erosion Control and Drainage Swales

BIO SWALES • ROAD SHOULDERS • ROADSIDE SWALES • INFILTRATION BASINS • DITCHES • SMALL CHANNELS

DRIVABLE GRASS® is a permeable, flexible and plantable concrete system that is designed with an engineered polymer grid which allows flexibility and conformity to irregular ground surface contours along pre-defined linear grooves, while providing the intended structural support. The unique product, whether planted or non-planted, is the solution for a variety of applications for soil stabilization.

DRIVABLE GRASS® is an ideal solution for erosion control protection when used in bio-swales, road shoulders, roadside swales, infiltration basins, small channels and ditches. **DRIVABLE GRASS®** is a permanent hard armor system that provides a simple solution to linear projects.

BIO-SWALE

ROAD SHOULDER

DRAINAGE CHANNEL

See our website at **www.soilretention.com** or full brochure for other applications including parking, fire lanes, utility access, pathways, etc.

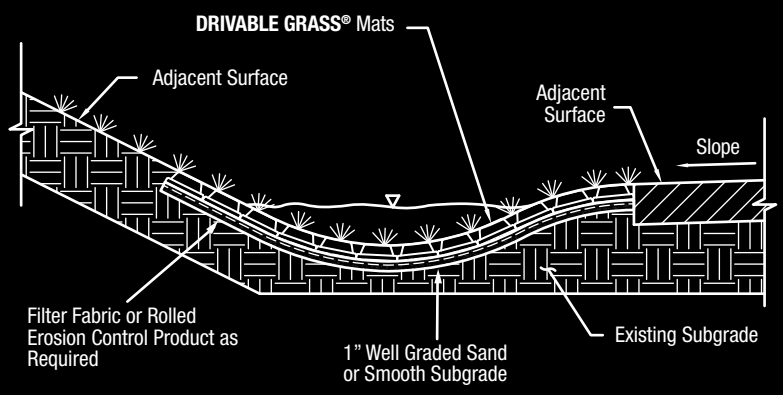
DRIVABLE GRASS®

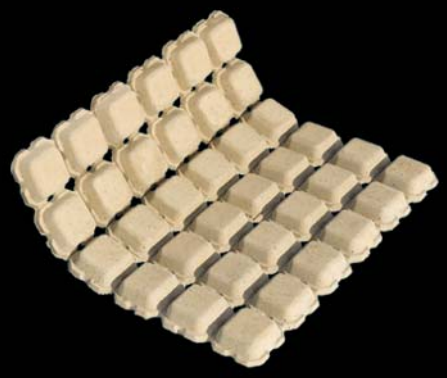
Permeable, Flexible & Plantable Concrete Pavement System

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*

Typical Drainage Swale Detail





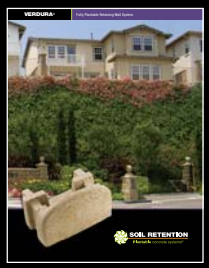
Storm Water Properties	
Property	**Value**
Run off Coefficient (C)	
Aggregate Infill	0.1-0.6 *
Grass Infill	0-0.3 **
Infiltration Rate (K in/hr)	
Aggregate Infill	4-40 *
Grass Infill	2-4 **

NOTES: **Based on specifications **Based on amount and type of grass used*

Hydraulic Performance Testing per Colorado State University	
Velocity Limit without Stakes	6-7.4 ft/sec
Velocity Limits with Stakes	9.9 ft/sec
Maximum Stable Shear Stress	3.0 psf
Mannings Roughness Factor (n)	0.025 – 0.039

All testing was performed without vegetation. Drivable Grass® can be planted or left un-vegetated. Selection of underlying fabric will be based on application, climate, and long-term performance requirements. Occasional staking and plant establishment will increase overall performance. See our website for complete testing report and design specifications.

Other Products



SOIL RETENTION

Plantable concrete systems®

(800) 346-7995