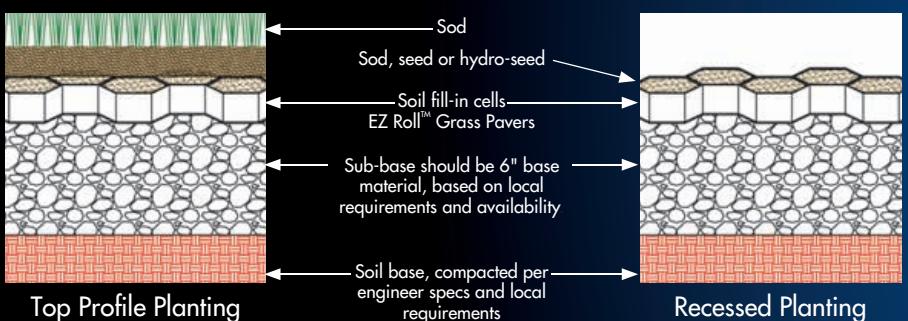




NDS grass pavers allow light to heavy vehicular traffic to drive over turf areas. They prevent soil compaction and promote healthy root growth. The pavers are used to stabilize the soil and allow turf to grow in areas that would traditionally have impervious hardscaping installed. NDS grass pavers are the ultimate product for promoting healthy turf in traffic areas as an alternative to aesthetically unpleasant concrete or asphalt pavements.



Planting Profile and Soil Levels (typical)



Height	Compressive Strength (Empty)	Plastic Material	Recycled Content	Roll Size
1"	57,888 psf	100% Recycled HDPE with UV inhibitors	100%	4' x 150' (600 sq. ft.)

DARE To COMPARE

NDS EZ ROLL™ GRASS PAVER IS
42% STRONGER
THAN ISI GRASSPAVE²



EZ Roll™ Grass Paver has a 42% Superior Compressive Strength to ISI Grasspave²

INCORRECT ISI CLAIM:

GrassPave² = 302,400 psf (2100 psi)

Compressive Strength Empty

source: ISI Website and collateral materials

Here are the facts:

ISI FACTS:

GrassPave² = 40,752 psf (283 psi)

Compressive Strength Empty

NDS FACTS:

EZ Roll™ = 57,888 psf (402 psi)

Compressive Strength Empty

Here are the actual test results:

	ISI Grasspave ²	NDS EZ Roll Grass
Recycled Content	100%	100%
Single Roll Coverage Area	433 sf	600 sf
Weight (per square foot)	0.42 lbs/sf	0.58 lbs/sf
Cell Shape	Circle	Hexagon
Cell Layout	Independent	Nested
Surface Open Area	100%	100%
Base Open Area	92%	80%
Compressive Strength (empty)	40,752 psf	57,888 psf
Compressive Strength (empty)	283 psi	402 psi
Recommended Fill Material	Sand	Soil or Sandy Loam
Soil Amendments Required	Yes (Hydrogrow)	No
Country of Origin	USA	USA
Rigid/Flexible	Flexible	Flexible



NDS EZ Roll™



ISI Grasspave²



SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory, Established 1904

781 E. Washington Boulevard Los Angeles, California 90021 ♦ (213) 749-3411 ♦ Fax (213) 741-8626

December 4, 2009

Proj /Job No.: 38079-1
Lab. No.: L-09-2486

Client: NDS, INC.
21820 Burbank Blvd., Suite 200
Woodland Hills, CA 91367
Attn: Sharon Vessels

Project: NDS EZ Roll Grass Road Paver compared to ISI Grass Pave 2
Subject: Compressive Strength Test
Test Procedure: As per Client's Instruction
Source: Grass Paver was Submitted by Client
Date Tested: November 30, 2009

Report of Test

Compressive Strength Test: Paver Sample Without Aggregate

NDS EZ Roll Grass Road Paver and ISI GrassPave 2 samples, 2-ft x 2-ft each was placed in the compression machine, Tinius Olsen SN 133570, with the steel base of the machine served as the base of the sample. A 12-in. x 12-in. x 1-in. thick steel plate was placed on to top of the sample and load was applied at the rate of crosshead speed of the testing machine at 0.15 inch per minute up to failure.

A. NDS EZ Roll Grass Road Paver compared to ISI Grass Pave 2

Test No.	Size of Plate	Max. Load, Lbs.	Area, Sq. In.	Max. Load, PSI	Remarks
1	12-in x 12-in.	59,097	144	410	Paver samples deformed at top
2	12-in x 12-in.	56,788	144	394	Paver samples deformed at top
		57,888	Average	402	

B. ISI Grass Pave 2

Test No.	Size of Plate	Max. Load, Lbs.	Area, Sq. In.	Max. Load, PSI	Remarks
1	12-in x 12-in.	40,164	144	279	Paver samples deformed at top
2	12-in x 12-in.	41,118	144	286	Paver samples deformed at top
		40,752	Average	283	

Respectfully Submitted,
SMITH - EMERY LABORATORIES

Pingsheng Zhu
Registered Civil Engineer No.: C 72482
Registration Expires : 6-30-10



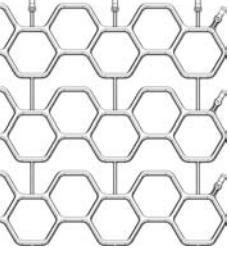
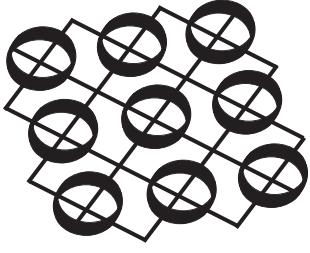
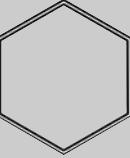
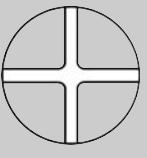
- Materials Tested Comply With Specifications.
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria for Acceptable Limits.
- For Information Only



One source. Many solutions.

EZ ROLL™ GRASSROAD PAVER™

DARE TO COMPARE

FEATURES	EZ Roll™ Grassroad Paver™	Invisible Structures, Grasspaver2
Load bearing capacity	365 psi (Pounds per sq. inch) when empty	280 psi (Pounds per sq. inch) when empty
Applications	Fire truck is heaviest application	Fire truck is heaviest application
Paver Fill	Soil, ideal medium for turf growth. Ok with sandy loam too.	Sand, needs special formula Hydrogrow to grow turf.
On going turf maintenance	Lower maintenance to grow turf in a soil filled paver.	Turf is more difficult to maintain when grown in sand. This higher maintenance adds to cost.
Nested cells	The network of cells supports itself and creates a more stable product. 	Separated cell design creates a less structurally sound and stable product. 
Cell open surface area—More room for root growth	 100%	 76.7%
Dimensions of panel	Standard 24" x 24"	1 meter x 1 meter metric dimensions