

CASE STUDY



Designer: Marilyn Grubb Gentile, Architect - Colts Neck, NJ
 Contractor: Mobility Consulting and Contracting
 Location: Private Residence - Holmdel, NJ
 Product: GrassProtecta™ (Standard) - Vehicle and Wheelchair Access



PROJECT RATIONALE:

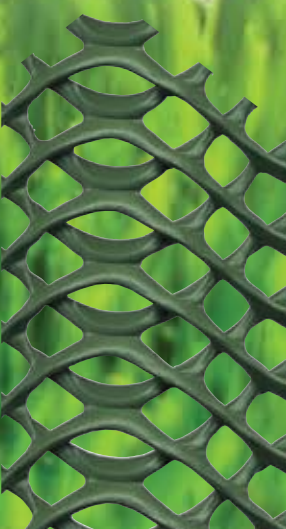
Access to the second floor of a private residence was required to accommodate transportation needs for the client's elderly mother, who suffers from Parkinson's disease. It was determined that a ramp from the second story to the lower driveway was too costly. The client working with Marilyn Gentile, Architect, determined that a driveway from the front street to the back patio of the home was a viable option with the existing site conditions. The client wanted to explore a grass driveway to preserve the aesthetic of the home and limit impervious surface cover.

THE SOLUTION:

After consulting Boddingtons Inc. it was determined that, for the intensity of use, soil conditions, and budget, GrassProtecta™ Standard would be the best option for the grass driveway. The GrassProtecta™ was very simple to install with no base prep or subsurface amendments. Mobility Consulting and Contracting provided the installation services to ensure the GrassProtecta™ was integrated into a back patio and the street entrance with smooth transitions for wheelchair access. Secured to the turf surface with fixing pins the grass was able to quickly grow through the oscillated mesh creating a strong reinforced surface capable of supporting a car to access the back side of the home. The GrassProtecta™ driveway provided the needed pedestrian and vehicular access while preserving the aesthetic of the home.



GrassProtecta™



GrassProtecta™

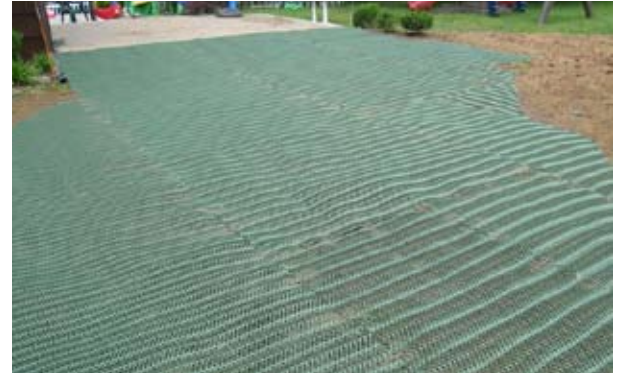
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CONCLUSION: GrassProtecta™ provided access to the second floor of a home preserving the homes character and creating a wheelchair friendly surface capable of supporting regular car access. The GrassProtecta™ offered a unique solution for Marilyn Gentile, Architect, and Mobility Consulting & Contracting to create an easy to install, cost effective, handicap accessible renovation for their client.

“Literally within days, the house became completely accessible for the family. We found GrassProtecta™ to be an innovative new product that not only provides an inexpensive, attractive, green (literally) driving surface for conventional uses, such as overflow or event parking, but also provides solutions for handicap accessibility. I would definitely recommend this product for other clients in the future, for both conventional and non-conventional uses.” (Marilyn Gentile, Architect)



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PRODUCT SPECIFICATION:

PHYSICAL CHARACTERISTICS:		STANDARD 0.24lbs/ft ²		HEAVY 0.41lbs/ft ²	
Structure		Oscillated		Oscillated	
Polymer		HDPE (with recycled content)		HDPE (with recycled content)	
Color		Green		Green	
UV Stabilized		Yes		Yes	
NOMINAL DIMENSIONS:					
Roll Width		6.56'	3.28'	6.56'	3.28'
Roll Length		65.6'	32.8'	65.6'	32.8'
Roll Weight		106lbs	26lbs	176lbs	44lbs
Weight per square foot		0.24lbs/ft ²		0.41lbs/ft ²	
Thickness		0.43"		0.55"	
Mesh Aperture (Diamond:Oval)		3:1 ratio		3:1 ratio	
TECHNICAL CHARACTERISTICS:					
Measurement	Method	Results		Results	
Tensile strength (MD)	ISO 10319	12kN/m		16kN/m	
Yield point elongation (MD)		30%		35%	
Residual thickness @ 500 kPa	ASTM D1621	45%		60%	
Slip risk PTV value	BS7976: 1-3	>40 (low slip)		>40 (low slip)	
Surface Testing for Accessibility	ASTM F 1951-08	Surface system meets the performance requirements			



CONTACT: **Jason Lamers** - Business Development Manager
 (651) 330-2799
jason.lamers@boddingtons.us