



## Estate

USDA Certified Bio-based product using Super Yarn™ technology to create a soft, environmentally friendly artificial grass variety that is as stunning as it is economical.

Grass Zone Yarn/Color	PE / Field Green / Olive / Apple
Grass Zone Denier	9,900 / 9
Thatch Zone Yarn/Color	PE / Field Green / Beige
Thatch Zone Denier	5,040 / 12
Grass Zone Yarn Shape	Soft Omega
Finished Pile Height	1 3/4"
Finished Pile Weight	50 oz.
Backing	15 / 18 PP 2-Part / 20oz. EnviroLoc™
Tuft Gauge	3/8"
Total Weight	76 oz.
Tuft Bind	> 8 lbs.
Permeability	> 400 inches per / SY
Features	Sanitized*, EnviroLoc™, StatBlock™ Anti-Static, DualChill™ IR Reflective, Deluster, UV Stabilizers
Test Data	USDA Certified BioBased Product, ASTM E108 Class A Fire Rating, ASTM F1292, F1951

	Unmatched Lifetime Warranty	 Foot Traffic   Softness
	EnviroLoc™ Plant-Based Backing	
	Deluster and UV Protection	
	Class A Fire Rating	

### SUPER YARN™ TECHNOLOGY

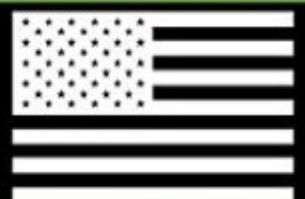
Sanitized* Antimicrobial	DualChill™ IR Reflective	StatBlock™ Anti-Static
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Not to scale. For illustration only.

### RECOMMENDED USES

- LANDSCAPE
- PETS
- PLAY
- ROOFTOP



<b>Primary Yarn Polymer</b>	Polyethylene	<b>Primary Backing</b>	15/18 PP 2-Part
<b>Yarn Cross Section</b>	Soft Omega	<b>Coating Type</b>	20 oz. EnviroLoc™
<b>Standard Color</b>	Field Green / Olive / Apple	<b>PE Yarn Denier / Ends</b>	9,900 / 9
<b>Fabric Construction</b>	Tufted	<b>Texturized Thatch Denier / Ends</b>	5,040 / 12
<b>Second Yarn Polymer Thatch</b>	Polyethylene	<b>Warranty Period</b>	Limited Lifetime
<b>Secondary Yarn Color</b>	Field Green / Belge		

Finish Fabric	English System		ASTM Test
	Nominal Specification	Value	Units
Pile Height (Nominal)	1 3/4	inches	D-5823
Face Weight	50	oz/yd <sup>2</sup>	D-5848
Total Fabric Weight	76	oz/yd <sup>2</sup>	D-5848
Primary Backing Weight	6	oz/yd <sup>2</sup>	D-5848
Secondary Coating Weight	20	oz/yd <sup>2</sup>	D-5848
Tuft Bind	> 8	lbs.	D-1335
Grab Tear Strength (Average)	> 200	lbs.	D-5034
Total Yarn Linear Density	14,940	Denier	D-1577
Elongation to Break	> 30	%	D-2256
Yarn Breaking Strength	> 20	lbs.	D-5793
Machine Gauge	3/8	inches	D-5793
Flammability	Passed	-	D-2859
Water Permeability	447.81	in/hr	D-1551
Fabric Width	15	ft	-

