



# SYNLAWN®

Plant-Based Artificial Grass

BIO Mimetic™

PRODUCT SPECIFICATIONS



## SYNTIPEDE 321

With superior durability this grass variety delivers high performance and beauty. Featuring Super Yarn™ technology, this product creates a durable surface perfect for active children and pets, giving you peace of mind for all types of landscaping projects.



### SUPER YARN™ TECHNOLOGY

**SANITIZED®**  
ANTIMICROBIAL

**DUALCHILL™**  
IR REFLECTIVE

**STATBLOCK™**  
ANTI-STATIC

SKU	S321B
Grass Zone Yarn/Color	PE / Field Green/Apple
Grass Zone Denier	10,800/6
Thatch Zone Yarn/Color	PE / Meadow Green
Thatch Zone Denier	5,600/8
Grass Zone Yarn Shape	Biomimetic™ C
Finished Pile Height	1 1/2"
Finished Pile / Total Weight	80 oz. / 108 oz.
Backing	13PP/18PET 2pt / 22oz. EnviroLoc+™
Tuft Gauge	3/8"
Tuft Bind	> 8 lbs.
Permeability	> 1,000 inches p/hr
Features	Sanitized®, EnviroLoc+™, StatBlock™ Anti-Static, DualChill™ IR Reflective, Deluster, UV Stabilizers, Biomimetic™
Test Data	CAL1350, ASTM D2859, ASTM D7138, ASTM F1292, ASTM F2765, RCRA 8 TCLP, BS EN 13746



LIMITED LIFETIME WARRANTY



OPTIMAL DRAINAGE > 1,000" P/HR



USE IN ALL CLIMATES AND REGIONS



IDEAL FOR HIGH FOOT-TRAFFIC AREAS

ASK ABOUT OUR...

**USDA CERTIFIED  
ORGANIC INFILL  
SYSTEM**



**USDA  
CERTIFIED  
BIOBASED  
PRODUCT**  
PRODUCT 70%

SYNTIPEDE 321 is a USDA Certified Bio-Based artificial grass system in combination with organic infill, able to display a unique USDA label highlighting its percentage of biobased content.



LANDSCAPE



PETS



PLAY



MULTI-USE



Official Synthetic Surface



SPECIFICATIONS SUBJECT TO CHANGE

01.19.2025



# SYNTIPEDE 321



Official Synthetic Surface

Primary Yarn Polymer	Polyethylene	Primary Backing	13PP/18PET 2pt
Yarn Cross Section	Biomimetic™ C	Coating Type	22 oz. EnviroLoc+
Standard Color	Field Green / Apple	PE Yarn Denier / Ends	10,800/6
Fabric Construction	Tufted	Texturized Thatch Denier / Ends	5,600/8
Second Yarn Polymer Thatch	Polyethylene	Warranty Period	Limited Lifetime
Secondary Yarn Color	Meadow Green		

FINISH FABRIC	ENGLISH SYSTEM		ASTM TEST
Nominal Specification	Value	Units	Method
Pile Height (Nominal)	1 1/2	inches	D-5823
Face Weight	80	oz/yd <sup>2</sup>	D-5848
Total Fabric Weight	108	oz/yd <sup>2</sup>	D-5848
Primary Backing Weight	6	oz/yd <sup>2</sup>	D-5848
Secondary Coating Weight	22	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	16,400	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	> 1,000	in/hr	D-1551
Fabric Width	15	ft	-



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