



SYNLAWN®

Plant-Based Artificial Grass

BIOMIMETIC™

PRODUCT SPECIFICATIONS



SYNLFESCUE 343

Offering superior dimensional strength and stability while remaining easy on the eyes and wallet. Incorporating Super Yarn™ technology, this landscape grass offers extreme flexibility and durability, creating the perfect solution for multiple applications.



SUPER YARN™ TECHNOLOGY

SANITIZED®
ANTIMICROBIAL

DUALCHILL™
IR REFLECTIVE

STATBLOCK™
ANTI-STATIC



SKU	SF34B
Grass Zone Yarn/Color	PE / Field Green/Apple
Grass Zone Denier	10,800/6
Thatch Zone Yarn/Color	PE / Field Green/Beige
Thatch Zone Denier	5,000/8
Grass Zone Yarn Shape	Biomimetic™ C
Finished Pile Height	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	ASTM D2859, ASTM D7138, ASTM E108, ASTM E648, ASTM F1951, ASTM F2765



ASTM E108 CLASS A FIRE RATING



OPTIMAL DRAINAGE > 1,000" P/HR



EXCLUSIVE ENVIROLOC+™ BACKING



LIMITED LIFETIME WARRANTY

INSTALLATION DETAILS AVAILABLE AT



CADdetails

MasterSpec®

NOT TO SCALE. FOR ILLUSTRATION ONLY.
CONTACT YOUR LOCAL SYNLAWN FOR INSTALLATION.



LANDSCAPE



PETS



PLAY



ROOF



Official Synthetic Surface



SPECIFICATIONS SUBJECT TO CHANGE

01.19.2025



SYNFESCUE 343



Official Synthetic Surface

Primary Yarn Polymer	Polyethylene	Primary Backing	13 PP/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	5,000/8
Second Yarn Polymer Thatch	Polyethylene	Warranty Period	Limited Lifetime
Secondary Yarn Color	Field Green/Beige		

FINISH FABRIC		ENGLISH SYSTEM		ASTM TEST
Nominal Specification	Value	Units	Method	
Pile Height (Nominal)	2	inches	D-5823	
Face Weight	80	oz/yd ²	D-5848	
Total Fabric Weight	108	oz/yd ²	D-5848	
Primary Backing Weight	6	oz/yd ²	D-5848	
Secondary Coating Weight	22	oz/yd ²	D-5848	
Tuft Bind	> 8	lbs.	D-1335	
Grab Tear Strength (Average)	> 200	lbs.	D-5034	
Total Yarn Linear Density	15,800	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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