



SYNLAWN®

Plant-Based Artificial Grass

PRODUCT SPECIFICATIONS



SYNBLUE 545

SYNBlue 545 offers a perfect blend of realism and durability, featuring soft, multi-colored turf fibers with a natural thatch for added depth and authenticity. With antimicrobial protection and superior drainage, this low-maintenance turf ensures lasting beauty and performance, making it an ideal choice for residential or commercial landscapes.

SKU	BL545
Grass Zone Yarn/Color	PE / Field Green/Olive/Tan
Grass Zone Denier	10,500/7
Thatch Zone Yarn/Color	PE / Field Green/Beige
Thatch Zone Denier	5,000/8
Grass Zone Yarn Shape	S+W+Diamond
Finished Pile Height	1 1/2"
Finished Pile / Total Weight	55 oz./84 oz.
Backing	13PP/18PET 2pt / 22oz. EnviroLoc+™
Tuft Gauge	3/8"
Tuft Bind	> 8 lbs.
Permeability	> 400 inches p/hr
Features	Sanitized®, EnviroLoc+™
Test Data	EN 12616, CAL1350, ASTM D2859, ASTM E648, ASTM F1292, ASTM F1951, EN-71, RCRA 8 TCLP



LIMITED LIFETIME WARRANTY



OPTIMAL DRAINAGE >400" P/HR



SANITIZED® ANTIMICROBIAL PROTECTION



IDEAL FOR LAWN AND LANDSCAPE APPLICATIONS

INSTALLATION DETAILS AVAILABLE AT



CADdetails

MasterSpec®

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



LANDSCAPE



PETS



PLAY



Official Synthetic Surface



SPECIFICATIONS SUBJECT TO CHANGE

02.09.2025



SYNBLUE 545



Official Synthetic Surface

Primary Yarn Polymer	Polyethylene	Primary Backing	13PP/18 PET 2pt
Yarn Cross Section	S+W+Diamond	Coating Type	22 oz. EnviroLoc+
Standard Color	Field Green/Olive/Tan	PE Yarn Denier / Ends	10,500/7
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)	1 1/2	inches	D-5823
Face Weight	55	oz/yd ²	D-5848
Total Fabric Weight	84	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	15,500	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	> 400	in/hr	EN 12616
Fabric Width	15	ft	-



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