



SYNLAWN®

Plant-Based Artificial Grass

PRODUCT SPECIFICATIONS



SYNRYE 247

With its vibrant green tones and lush, lifelike texture, SYNRYE 247 delivers a strikingly natural look. Perfect for high-traffic areas such as schools and office buildings, this turf pairs its realistic appearance with exceptional durability and safety. Backed by an ASTM CERTIFIED E108 CLASS A fire rating, HeatBlock Technology, and UV protection, it stands out as a reliable and visually stunning solution for any application.

SKU	SR247
Grass Zone Yarn/Color	Nylon / Sport Green/Apple/Olive
Grass Zone Denier	5,400 / 9
Thatch Zone Yarn/Color	Nylon / Field Green/Beige
Thatch Zone Denier	5,400/9
Grass Zone Yarn Shape	Diamond Mono
Finished Pile Height	1 1/8"
Finished Pile / Total Weight	60 oz. / 88 oz.
Backing	18/18 pic PP 2pt / 22oz. EnviroLoc+™
Tuft Gauge	3/8"
Tuft Bind	> 8 lbs.
Permeability	> 500 inches p/hr
Features	EnviroLoc+™, UV Stabilizers
Test Data	EN12616, ASTM C518, CAL1350, ASTM D2859, ASTM D7138, ASTM E-108, ASTM E648, EN-71



ASTM E108 CLASS A FIRE RATING



LIMITED LIFETIME WARRANTY



UV PROTECTED FROM REFLECTING LIGHT



FOR HIGH-TRAFFIC ROOFTOPS & PLAYGROUNDS



ROOF



LANDSCAPE



PLAY



GOLF



Official Synthetic Surface



SPECIFICATIONS SUBJECT TO CHANGE

03.26.2025



Primary Yarn Polymer	Nylon	Primary Backing	18/18 pic PP 2-Part
Yarn Cross Section	Diamond Mono	Coating Type	22 oz. EnviroLoc+
Standard Color	Sport Green/Apple/Olive	PE Yarn Denier / Ends	5,400/9
Fabric Construction	Tufted	Texturized Thatch Denier / Ends	5,400/9
Second Yarn Polymer Thatch	Nylon	Warranty Period	Limited Lifetime
Secondary Yarn Color	Field Green/Beige		

FINISH FABRIC	ENGLISH SYSTEM		ASTM TEST
<i>Nominal Specification</i>	<i>Value</i>	<i>Units</i>	<i>Method</i>
Pile Height (Nominal)	1 1/8	inches	D-5823
Face Weight	60	oz/yd ²	D-5848
Total Fabric Weight	88	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	10,800	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	> 500	in/hr	EN 12616
Fabric Width	15	ft	-