

LIGATURF ROOTZONE 3D3 BLEND

LigaTurf is the world's pre-eminent family of turf systems designed specifically for soccer performance. LigaTurf has a large footprint around the globe and can be found at the most elite facilities in Europe, including Bayern Munich, Liverpool and FIFA's World Headquarters.

LigaTurf is now offered in the United States exclusively by AstroTurf Corporation and its partners. The latest LigaTurf systems have emerged as the result of global collaboration of our Research and Development teams across the world, who have focused on polymer chemistry, biomechanics, ball roll, energy restitution and more.

Breakthrough technologies ensure that LigaTurf systems exceed all FIFA standards. And full control over the manufacturing, construction and installation chain ensures that our soccer customers receive the best fields in the industry.

The system boasts the RootZone technology. The RootZone is a system of texturized fibers that curl down to create a net-like matrix that encapsulates infill – dramatically reducing infill spray during play and infill migration over time.

With three unique fibers – the RootZone, Legend-shaped monofilament fibers and ultra-durable slit film fibers— the LigaTurf RootZone 3D3 Blend offers exceptional durability, player protection and aesthetics.

LIGATURF ROOTZONE 3D3 BLEND

The world's pre-eminent family of turf systems designed specifically for soccer performance.



"We are confident in our selection of AstroTurf for the new playing surfaces on Smith Field and Coaches Field. The technology behind their products is impressive and the emphasis on player protection and safety was paramount in our decision-making process."

Michael Thomas, Athletic Director, Boys' Latin School

- ◆ Exclusive, precise fiber masterbatch formulations with cutting edge ultraviolet and heat stabilizers
- ◆ Trionic monofilament fibers featuring a proprietary co-polymer blend of Polyethylene and Nylon in a single fiber
- ◆ Extremely durable slit film fibers for resistance to wear
- ◆ Entanglement technology, wherein we entangle molecular side chains to reinforce the fiber and prevent splitting

- ◆ RootZone infill stabilization system
- ◆ Multi-layer woven primary backing
- ◆ The latest polyurethane technology to enhance tuft lock, dimensional stability and fiber adhesion, with polymer formulations engineered in Germany and applied in our own American factory



Aviara Park - Carlsbad, CA



Beverly Vista School - Beverly Hills, CA



Boys' Latin School - Baltimore, MD



Fore Kicks Soccer Complex - Taunton, MA

FINISH FABRIC	VALUE	ASTM TEST METHOD
Face Yarn Type	Trionic Polyethylene/Nylon blend Monofilament, Polyethylene Slit Film and RootZone	N/A
Yarn Denier	15,800 (6 ends/1,800 per end for Mono, 10,000 per end for Slit Film and 8 ends/675 denier per end for RootZone)	D-1577
Yarn Thickness	330 microns for Mono, 115 microns for Slit Film and 100 microns for RootZone	D-3218
Pile Weight	52 oz per SY	D- 5848
Finished Pile Height	2.0"	D-5823
Standard Field Color	Field Green, Lime Green	None
Construction	Tufted	None
Turf Density	936 oz/yd ³	HUD 44d
Gauge	3/8"	D-5793
Primary Backing	8 oz per SY Multilayer Polypropylene/Polyester	D- 5848
Secondary Backing	20 oz per SY Polyurethane	D- 5848
Total Carpet Weight	80 oz per SY (+/- 5%)	D-5848
Turf Roll Dimensions	15' wide by custom lengths up to 220'	N/A
Perforations	3/16" holes on staggered 4" (approximate) centers	N/A
Turf Permeability	> 30" +/- per hour	F-1551
Tuft Bind	> 8 lbs	D-1335
Grab Tear Strength (Average)	> 200 lbs	D-5034
Lead Content	< 50 ppm	F-2765
Elongation to Break	> 50%	D-2256
Yarn Breaking Strength	> 20 lbs	D-2256
Yarn Melting Point	248° F	D-789
Flammability	TEST PASSED	D-2859

Some of our installations include:

Anne Arundel County Schools (MD)
 Appleton Area School District (WI)
 Arizona Cardinals Practice Field (AZ)
 Austin ISD (TX)
 Bethlehem Area School District (PA)
 Beverly Hills Unified School District (CA)
 Boston College (MA)
 Brother Rice High School (MI)
 UCLA (CA)
 Cheyenne Mountain School District 12 (CO)
 College of Idaho (ID)
 Corpus Christi ISD (TX)

Davenport University (MI)
 University of Delaware (DE)
 DePauw University (IN)
 East Rochester High School (NY)
 El Paso Gridley High School (IL)
 Evangel University (MO)
 Fore Kicks Soccer Complexes (MA)
 Global Premier Soccer (NH)
 Grand Canyon University (AZ)
 Greensboro College (NC)
 Hutchinson Community College (KS)
 Kansas State University (KS)

Los Angeles Unified School District (CA)
 Liberty University (VA)
 The McCallie School (TN)
 Mississippi State University (MS)
 Montoursville High School (PA)
 Moreau Catholic High School (CA)
 North Broward Prep (FL)
 The Ohio State University (OH)
 University of Oklahoma (OK)
 Paramus Catholic High School (NJ)
 Penn State University (PA)
 Saint John Bosco High School (CA)

Salina High School (KS)
 Sam Houston State University (TX)
 Silverlakes Equestrian & Sports Park (CA)
 Starfire Sports Complex (WA)
 Texas A&M University (TX)
 Texas Tech University (TX)
 Tulane University (LA)
 University Liggett School (MI)
 Utah State University (UT)
 The Village School (TX)



Note: 1.31.19 SS. Valid through 12/31/2019. Any change from the specified values is considered a special product that will require confirmation from manufacturing prior to ordering. All values are ± 5%. AstroTurf® has the right to modify technical specifications on the above-mentioned product. Delivered products can slightly differ from the technical data. AstroTurf® guarantees the technical quality of the proposed article.

AstroTurf SINCE 1965
 powered by sportgroup
 THE SURFACE SPECIALISTS



2680 Abutment Rd, Dalton, GA 30721
 (800) 723-TURF help@astroturf.com
 www.astroturf.com @AstroTurfUSA