



ROOTZONE 3D3 BLEND HD 52

AstroTurf’s RootZone 3D3 Blend HD (High Density) features the exciting new Trionic face fiber. For the first time in the history of the industry, our experts have molecularly fused Polyethylene and Nylon into a single fiber. That translates to softness AND durability.

AstroTurf’s RootZone® 3D HD Series 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.

The RootZone’s benefits are numerous. RootZone 3D fields offer grass-like traction, per independently funded, peer reviewed research by Michigan State University. Plus, by better keeping infill in place, the RootZone promotes more consistent footing and more uniform shock absorption over time. And with a more uniform infill level, UV exposure to the fibers is more consistent across the field, which boosts the field’s longevity.

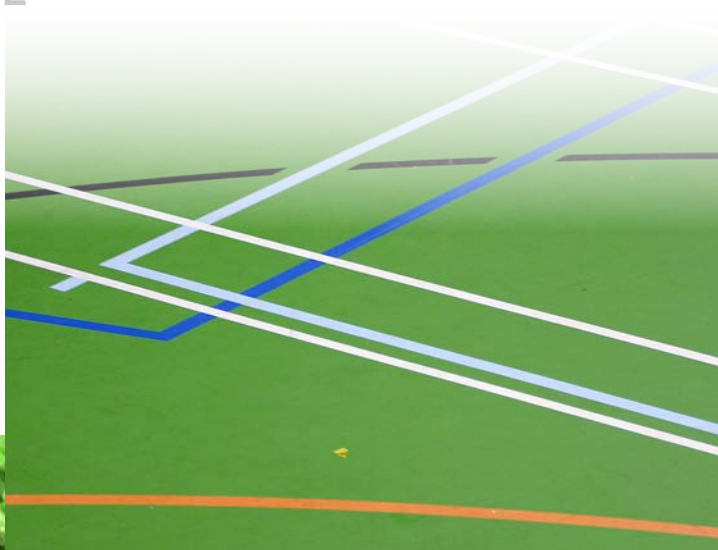
With three unique fibers – the RootZone, Trionic monofilament fibers and ultra-durable slit film fibers— the RootZone 3D3 Blend HD offers exceptional durability, player protection, and aesthetics. And at 1.5” tall, this system is even denser, plusher and more durable than its RootZone 3D3 Blend counterpart. It is ideal for use over a pad and with alternative infills.

ROOTZONE 3D3 BLEND HD



Colors to be manufactured with PE Legend Fiber

- ◆ Exclusive, precise in-house 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
- ◆ Entanglement technology, wherein we entangle molecular side chains to reinforce the fiber and prevent splitting
- ◆ Extremely durable slit film fibers for resistance to wear
- ◆ RootZone infill stabilization system
- ◆ 1.5” tall for enhanced durability and aesthetics
- ◆ 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
- ◆ Ideal for use with alternative infills
- ◆ Pad required



FINISH FABRIC	VALUE	ASTM TEST METHOD
Face Yarn Type	Trionic PE/PA Co-Polymer Monofilament, Polyethylene Slit Film and RootZone	N/A
Yarn Denier	16,000 (6 ends/1,800 per end for Mono, 10,000 per end for Slit Film and 8 ends/700 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	1.5"	D-5823
Standard Field Color	Field/Lime Green, Field Green	None
Construction	Tufted	None
Turf Density	1,248 oz/yd ³	HUD 44d
Gauge:	3/8"	D-5793
Primary Backing	6.5 oz per SY Multilayer Polypropylene/Polyester	D- 5848
Secondary Backing	20 oz per SY Polyurethane	D- 5848
Total Carpet Weight	78.5 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 (Polyethylene) / 258° F (Trionic)	D-789
Flammability	TEST PASSED	D-2859

Some of our installations include:

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|----------------------------------|-----------------------------------|
| Bell Branch Park (MD) | Penn State University (PA) |
| Brandeis University (MA) | Montebello High School (CO) |
| Bristol Motor Speedway (TN) | North Collier Regional Park (FL) |
| Collier County Schools (FL) | Roland Park Country School (MD) |
| Denver Public Schools (CO) | Viera Regional Park (FL) |
| East High School (CO) | Virginia Youth Soccer Association |
| Ed Defore Sports Complex (GA) | Headquarters (VA) |
| First Baptist Academy (FL) | Westminster College (MO) |
| Franklin & Marshall College (PA) | Wide World of Sports (MI) |
| Leon County Public Schools (GA) | Won Sports (MA) |



Note: Valid 01/01/2020 - 12/31/2020. 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.



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