



## SUPERIOR FUNCTIONALITY

GeoTrax® is the first synthetic filament warning track surface that meets all criteria for NCAA and High School play.

The GeoTrax Warning Track technology allows for superior functionality and significantly decreases maintenance. It also eliminates the mold and mildew problem associated with some rubberized warning track surfaces.

The surface is spike and cleat friendly and does not create a slip or fall hazard that are common to pour-in-place systems.



TYPICAL PROPERTIES	U.S.	TEST METHOD
Yarn Face Weight (oz per square yard)	Minimum 50 ounces	ASTM D5848
Yarn Thickness	XPS 120 Micron	ASTM D5848
Tufting Gauge	Maximum 1/4 inch	Empirical
Tuft Density (tufts per square inch)	19.5	Empirical
Wear Resistance	100,000 cycles (no loss of weight or length)	Stud Roller
Tuft Bind	8 pounds	ASTM D1335
Grab Tear Strength	420/258 (X & Y)	ASTM D5034
Climatic Dimensional Stability	>.1% machine & <.25% transverse	TSI 1201
Primary Backing (two layer)	Matrix 18 pic/non-woven	Empirical
Secondary Backing	20 oz urethane	ASTM D5848
Total Weight (oz per square yard)	87 ounce (without infill)	ASTM D5848
In-fill Depth	1.5 inch	Empirical
Relief (length of yarn above the infill)	.5 inch	Empirical
Initial G-Max	>135 using GeoFlo Shock Pad	ASTM F355A
Ultimate G-Max (highest attainable)	>165 using GeoFlo Shock Pad	TSI 128
Infill material	7-14 Ambient Ground SBR over sand ballast layer	Sieve Analysis
Permeability	64.5 inches per hour	ASTM D4716
Flammability (PILL) Test	Pass	ASTM D2859
Ball Roll	FIFA Protocol 2-Star Rating*	FIFA TM03/05-01
Ball Bounce	FIFA Protocol 2-Star Rating*	ASTM F2117
Footting (rotational resistance)	FIFA Protocol 2-Star Rating*	BS7044-2.2



## **“TURN KEY” SPORTS SURFACING**

GeoSurfaces is one of the few companies in the USA that offers in-house “turn key” sports lighting and sports surfacing. We are a licensed Professional Construction Firm, Electrical Firm, and Construction Manager that can offer complete construction and installation of FIFA, IAAF and ITF Approved Surfaces.