GeoTrax® FT
FILAMENT TRACK

GeoTrax® FT is the first synthetic filament running track surface engineered to allow "tuning" of the surface response-time in order to customize surface performance for its primary use.

SUPERIOR FUNCTIONALITY

The GeoTrax® FT running track technology allows for superior functionality and increased usable space for sports other than track.

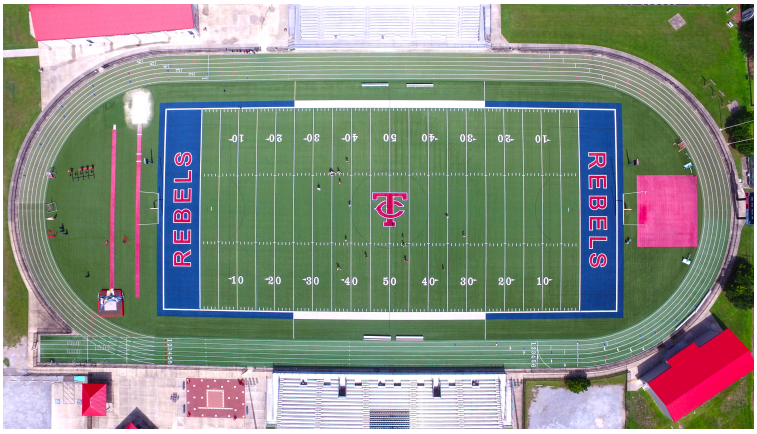
By eliminating dangerous transitions and hard asphalt or concrete surfaces, the GeoTrax FT design takes what was once a surface with little to no value for multi-sport use and converts it to a usable surface for every sport.

"TUNNING" THE SURFACE

GeoTrax® FT running track is not designed to be a replacement for an IAAF surface but does offer great value for entry level track users and facilities that wish to maximize the functionality of the sports surfacing.

No surface is ideal for all types of use. Sprinters perform better on a fast-response (harder) surface. Longer event runners maximize performance with a slower-response (softer) surface. Practice and training require a surface with higher shock attenuation to reduce wear and fatigue on athlete's joints and muscles.

The user should determine the best configuration for his intended primary use and is able to "tune" the track surface accordingly.



MAINTENANCE

The GeoTrax® FT technology will cost considerably less that the norm for a conventional track surface. All conventional track surfaces require re-surfacing in 5 to 7 years. Re-surfacing (8-lane track) cost can range from $80,000 to $180,000. By comparison, the GeoTrax FT running track should not need maintenance for 5-6 years; and even partial replacement in high wear areas is much less costly. In addition, if permanent markings are selected, virtually zero maintenance cost should occur in the first 5 years. The GeoTrax FT running track includes a 5-year warranty.

COLORS & PERMANENT MARKINGS

The GeoTrax® FT technology allows the client to select school colors at no additional cost as well as the option to install permanent lane lines and event markings. These advances eliminate costly re-striping and give the client a freshly painted look for years to come.

TYPICAL PROPERTIES	U.S.	TEST METHOD
Yarn Face Weight (oz per square yard)	Minimum 44 ounces	ASTM D5848
Yarn Thickness	XPS 120 Micron	ASTM D5848
Tufting Gauge	Maximum 3/16 inch	Empirical
Wear Resistance	100,000 cycles (no loss of weight or length)	Stud Roller
Tuft Bind	8 pounds	ASTM D1335
Grab Tear Strength	250/250 (X & Y)	ASTM D5034
Primary Backing	Tencate K29	Empirical
Secondary Backing	20 oz urethane	ASTM D5848
Total Weight (oz per square yard)	71 ounce (without infill)	ASTM D5848
In-fill Depth	0.75 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	Sportsfield Sand	Empirical
Permeability	64.5 inches per hour	ASTM D4716
Flammability (PILL) Test	Pass	ASTM D2859

GEO SURFACES ®

"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.