



TN - FC ELITE

TN - FC ELITE PRODUCT DATA SHEET

The TN - FC ELITE surface is engineered to be the ultimate soccer surface. Robust and durable with realistic ball interaction, featuring optimal slide coefficient. FC ELITE was designed to optimize Soccer specific performance and maximize player safety.



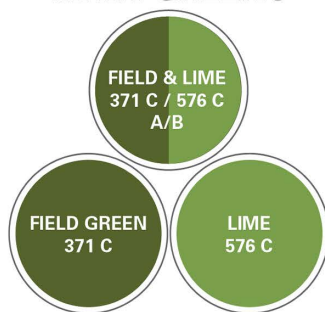
TN - FC ELITE FEATURES



SPECIFICATION	GRASS ZONE	PRODUCTION SPECIFICATIONS
FIBER	MONOFILAMENT	GRASS ZONE: 54 oz.
FIBER TYPE	SLIT FILM	POLYETHYLENE
FIBER HEIGHT	2.25 INCHES / 57 mm	BACKING: 8 oz.
FIBER DENIER	10,800 DENIER / 12,000 DTEX	SECONDARY BACKING: 26 oz.
FIBER MICRONS	236	TOTAL SYSTEM WEIGHT: 88 oz.
FILAMENT STRUCTURE	6 FIBRILS	STANDARD COLOR: FIELD GREEN & FIELD/LIME
FIBRIL WIDTH	0.051 INCHES / 1.4 mm	2 1/4" - AVAILABLE IN OTHER PILE HEIGHTS

*These specifications are standard and may vary slightly due to manufacturing tolerances or consumer specifications

MAIN GREENS



DESIGNER COLOR PALLETTE



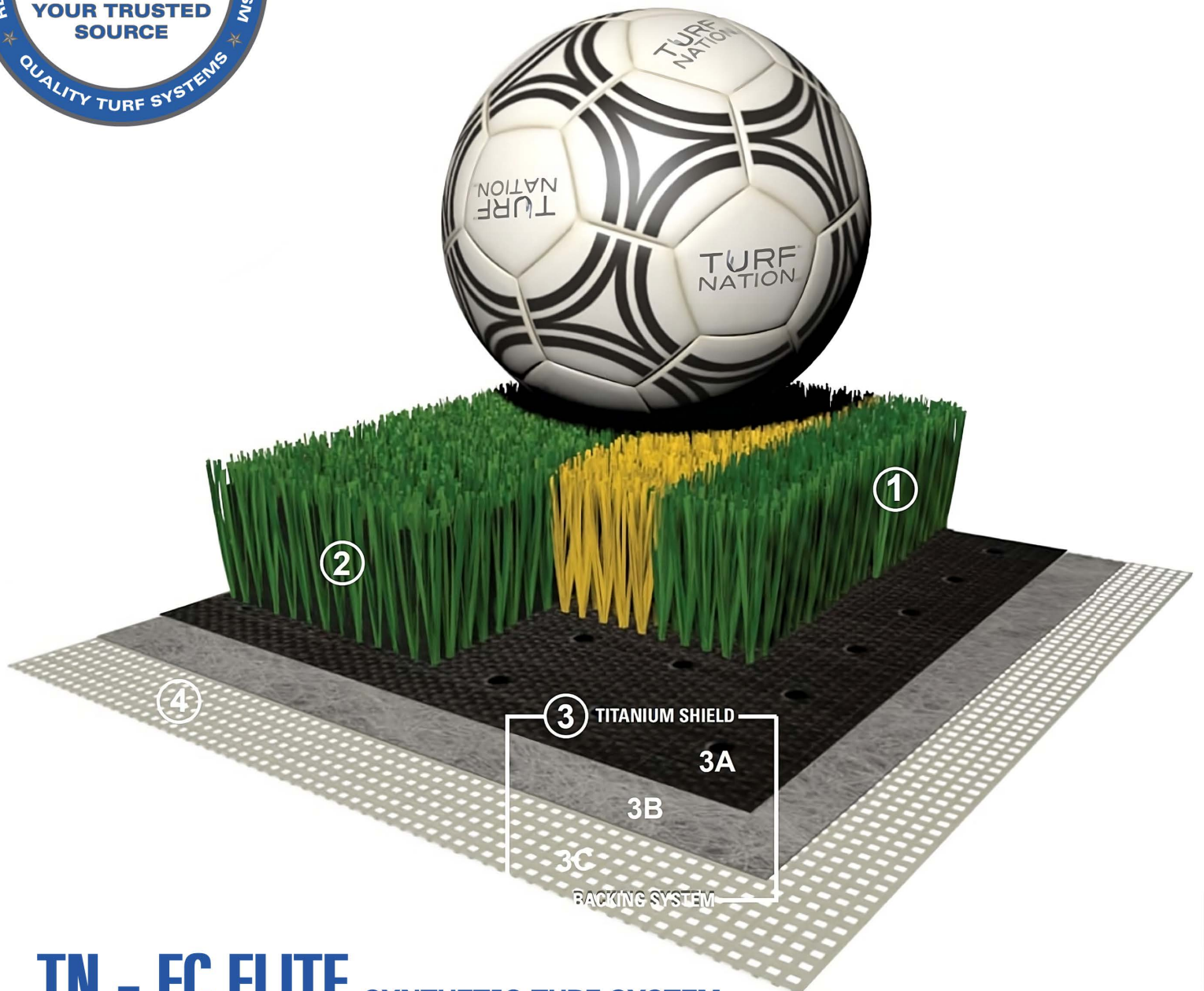
*YARN DYE LOTS MAY HAVE SOME VARIATION FROM STATED PANTONE COLORS, PLEASE REQUEST YARN SAMPLES FOR A MORE ACCURATE EXAMPLE OF THE COLORS USED





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TN - FC ELITE SYNTHETIC TURF SYSTEM

- ① **TN - FC ELITE** Monofilament turf fiber is made with QUAD for unsurpassed durability and performance
- ② Specialized infill mixture designed to optimize performance and player safety
- ③ **Titanium Shield Backing System**
Our premier backing system includes multiple layers for long lasting play and performance
 - 3A. Woven 18-Pic Polybac to secure fiber retention
 - 3B. Non-Woven layer affords maximum dimensional stability
 - 3C. Woven 5-Pic synthetic layer to enhance seaming properties
- ④ Premium grade urethane coating to ensure a superior tuft bind





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	TEST CODE	TEST RESULTS	TEST NAME	TEST DESCRIPTION
PERFORMANCE TESTING	ASTM F355-01	Gmax 105 / HIC 275	Gmax Rating	Shock-absorbing properties of playing surface systems and materials
	ASTM F1015-03	28 ± 2	Relative Abrasive Index	Relative abrasiveness of synthetic turf playing surfaces
	5N 12235	27.2 INCHES / 69.09 cm	Average Ball Rebound Height	Vertical rebound characteristics of sports surface/ball systems; acoustical measurement
	5N 12235	0.35 (CR)	Coefficient of restitution (CR)	Vertical rebound characteristics of sports surface/ball systems; acoustical measurement
	ASTM F1551-03	Static COF: 152	Soccer shoe traction - Dry	Comprehensive characterization of synthetic turf playing surfaces and materials
	ASTM F1551-03	Static COF: 149	Soccer shoe traction - Wet	Comprehensive characterization of synthetic turf playing surfaces and materials
	ASTM F1551-03	Static COF: 150	Football shoe traction - Dry	Comprehensive characterization of synthetic turf playing surfaces and materials
	ASTM F1551-03	Static COF: 154	Football shoe traction - Wet	Comprehensive characterization of synthetic turf playing surfaces and materials
SYSTEM TESTING	ASTM D5848-07	88 oz Y ² / 2.98 kg M ²	Total Weight	Mass per unit area of pile yarn floor coverings
	ASTM D5848-07	54 oz Y ² / 1.83 kg M ²	Pile Weight	Mass per unit area of pile yarn floor coverings
	ASTM D5848-07	8 oz Y ² / 0.27 kg M ²	Primary Backing Weight	Mass per unit area of pile yarn floor coverings
	ASTM D5848-07	26 oz Y ² / 0.88 kg M ²	Secondary Backing Weight	Mass per unit area of pile yarn floor coverings
	ASTM D5823-05A	2.25 Inches / 57.15 mm	Pile Height	Turf height of pile floor coverings
	ASTM D1335-05	Exceeds STC Standards	Tuft Bind Strength	Tuft bind of pile yarn floor coverings
	ASTM D5034-09	(MD) 316 lbs force / 1,405 N	Grab Tear Strength Length	Breaking strength and elongation of textile fabrics (Grab test)
	ASTM D5034-09	(CMD) 550 lbs force / 1,468 N	Grab Tear Strength Width	Breaking strength and elongation of textile fabrics (Grab test)
	ASTM D5793-05	8 per 3 inches / 8 per 7.6 cm	Stitches per 3 inches	Binding sites per unit length or width of pile yarn floor coverings
	ASTM D5793-05	3/8 inch / 9.5 mm	Machine Gauge	Binding sites per unit length or width of pile yarn floor coverings
ASTM D2859-06	PASS 8 out of 8	Flammability - Pill Burn	Ignition characteristics of finished textile floor covering materials	
ASTM DF1951-09	PASS	Wheel Chair Accessibility	Determination of accessibility of surface systems under and around playground equipment	
BS7044-METHOD 4	114" / an hour	Infiltration Rate	Infiltration rate-buffered ponding-type infiltrometer	
FIBER TESTING	ASTM D1907-07	10,000 DENIER / 11,100 DTEX	Fiber Denier	Linear density of textile fibers by the Skein Method
	ASTM D3218-07	0.00920 Inches / 0.2337 mm	Fiber Thickness	Standard specification for polyolefin monofilaments
	ASTM D3218-07	0.05514 Inches / 1.55 mm	Fibril Width	Standard specification for polyolefin monofilaments
	ASTM D7138	248° F / 120° C	Fiber Melting Point	Determination of solution viscosities of polyamide (Pa)
	ASTM D792-08	0.959	Fiber Specific Gravity	Density and specific gravity (relative density) of plastics by displacement
	ASTM D2256-02(2008)	20.9 lbs / 93 N	Fiber Breaking Strength	Tensile properties of yarns by the single-strand method
ASTM D2256-02(2008)	66.8%	Fiber Elongation	Tensile properties of yarn by the single-strand method	

*All specifications and results subject to manufacturers tolerances

