



SPRINTURF ULTRABLADE DF 52 OZ GRASS & INFILL SPECIFICATIONS

SCOPE OF WORK

Furnish all labor, materials, tools and equipment necessary to install, in place, all material as indicated on the plans and as specified herein.

QUALITY ASSURANCE

The Contractor shall employ only qualified, experienced supervisors and technicians skilled in the installation of this system. The Project Superintendent shall have a minimum of five years experience and 25 filled systems over the last two years.

The contractor shall also:

1. Have a proper license, in good standing, and never had a license revoked.
2. Not have had a Surety or Bonding Company finish work on any contract within the last five years.
3. Not have been disqualified or barred from performing work for any public owner or other contracting entity.
4. Shall have demonstrable resources to fully service and warrant the systems installed.

The contractor shall also provide proof in advance of its intent and ability to provide its Manufacturer's Warranty that guarantees the serviceability and playability of the artificial grass system for its intended uses for an eight (8) year period commencing with the date of Substantial Completion. The Warranty shall be for full performance and shall not be prorated.

The warranty submitted must have the following characteristics:

1. Must provide full coverage for eight (8) years from the date of Substantial Completion.
2. Must warrant that the materials installed meet or exceed the product specification.
3. Must have a provision to either repair or replace such portions of the installed materials that are no longer serviceable.



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PRODUCTS

The product shall be a tufted fabric coated with a polyurethane coating. The fibers shall be tufted into a triple layer of primary backing to a finished pile height of approximately 2 1/4 inches. The grass fabric shall be filled with 100% cryogenically-processed rubber granules from a single supplier source. The elastomeric coating and backing materials shall be perforated to allow for rapid drainage.

All components and their installation method shall be designed and manufactured for use on outdoor athletic fields. The finished playing surface shall also appear as mowed grass with no irregularities and shall afford excellent traction for conventional athletic shoes of all types. The finished surface shall resist abrasion and cutting from normal use. The system shall be useable for football, soccer, lacrosse, intramurals, baseball, softball, field hockey and general recreational use.

The pile yarn shall come from a single provider and be proven athletic-caliber fibre, designed specifically for outdoor use and stabilized to resist the effect of ultraviolet degradation, heat, foot traffic, water and airborne pollutants and shall possess these characteristics:

Yarn Type: PE Slit-Film/ <i>Mono Tape</i>	Yarn Denier: 8,000
Fiber Thickness: 100/115 micron	Pile Fiber Weight: 52 oz/yd ²

The Pile fabric shall possess the following physical characteristics:

Tufting Gauge: 3/8"	Tufted Pile Height: 2-1/4"
Primary Backing: 8.7 oz/yd ² <i>Three layers (woven, woven, non-woven)</i>	Secondary Elastomeric Coating (Polyurethane): Minimum 20 oz/yd ²
Roll Width: 15'	Tuft Bind Strength: Minimum 10 lbs/force
Colors (standard): <i>Bi-Colour Green or Field Green</i>	Pill Burn Test: <i>Pass (with filling)</i>
Grab Tear Strength: Minimum 200 lbs/force	Shock Attenuation (ASTM F-355): <i>Not to exceed 125 G's upon installation on standard dynamic stone base, not to exceed 150 G's for length of warranty.</i>

Infill material shall be 100% cryogenically-processed SBR rubber granules, typically .50-1.50 mm in size. Rubber shall be clean without recycled materials such as tire fiber or metal and shall be sieved to achieve proper uniformity.



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INSTALLATION

The installation shall be performed in full compliance with approved design drawings, and only by in-house (not contracted-out) factory-trained technicians, skilled in the installation of sewn athletic-caliber artificial grass systems, working under the direction of an installation site supervisor with at least five years experience.

The surface to receive the artificial grass shall be inspected and certified as ready for the installation of the artificial grass system by the manufacturer or by a supervisor with a minimum of five years experience in the installation of such fields. The surface must also be perfectly clean as installation begins and shall be maintained in that condition throughout the process.

The artificial grass shall be loose laid across the field. The artificial grass shall be of sufficient length to permit full cross-field installation. No head or cross seams will be allowed, except as required for lining.

Seams shall be flat, tight, and permanent with no separation or fraying. Seams shall be sewn in a manner suitable for the installation. Markings such as soccer circles, logos, numerals, and hash marks shall be inlaid.

Infill materials shall be properly screened and bagged off site and applied in numerous thin lifts using special broadcasting equipment. The grass fabric shall be brushed prior to applying the rubber infill. The grass shall be raked and brushed properly as the mixture is applied, and shall be rolled with weighted rollers. The artificial grass is then attached to the perimeter edge detail. The infill material shall be installed to a depth of approximately 1.75 inches. The mixture can only be applied when the field surface is dry.