

TotTurf® Synthetic Plus® Product Specifications

PART 1 — GENERAL

1.01 Scope

Furnish all labor, materials, tools and equipment necessary to install, in place, all TotTurf® Synthetic Plus® as indicated on the drawings and specified herein, suitable for use under play structures. The installation of all new materials shall be performed in strict accordance with the manufacturer's written instructions and in accordance with approved shop drawings.

1.02 Related Documents

Drawings and the general provisions of the Contract, including General and Supplementary Conditions and other Division I Specification Sections, apply to this section.

1.03 Submittals

A. Submit the following:

1. One (1) TotTurf® Synthetic Plus® sample, approximately 7" x 11".
2. Manufacturer's data certifying compliance with these specifications.
3. Submit to Owner for approval - quality assurance information as delineated in section 1.5
4. Certified list of existing installations, including Owner representative and telephone number, attesting compliance with quality assurance information.

B. Prior to Final Acceptance, Robertson Industries shall submit to the Owner three (3) copies of Maintenance Manuals, which will include all necessary instructions for the proper care and preventative maintenance of the TotTurf® Synthetic Plus®.

1.04 Shop Drawings

A. Shop drawings shall be prepared and contain all pertinent information regarding installation.

B. Submit drawings to the Owner for approval prior to the shipment of materials.

C. Submit drawings for:

1. Seaming plan
2. Installation details; edge detail, post detail, etc.

1.05 Quality Assurance

A. Robertson Industries Installer

1. The Robertson Industries Installer(s) must have installed a minimum of three (3) playground turf surfaces using the infill-system.

2. Robertson Industries shall employ only qualified, experienced supervisors and technicians skilled in the installation of this system.

B. Warranty:

1. Robertson Industries shall submit its Manufacturer's Warranty that guarantees the usability and playability of TotTurf[®] Synthetic Plus[®] for its intended uses for a three (3) year period commencing with the date of Substantial Completion. The warranty coverage shall not be prorated nor limited to the amount of the usage. The warranty submitted must have the following characteristics:
 - a. Must provide full materials coverage for three (3) years from the date of completion.
 - b. Must warrant that the materials installed meet or exceed the product specifications.
 - c. Must have a provision to repair or replace such portions of the installed materials that are no longer serviceable to maintain a serviceable and playable surface.
2. Must be a warranty from a single source covering workmanship and all self-manufactured or procured materials.
3. Guarantee the availability of replacement material for the TotTurf[®] Synthetic Plus[®] installed for the full warranty period.

C. Maintenance:

Robertson Industries shall supply the Owner with a written maintenance manual for proper care of the finished product. The maintenance manual shall specify any use limitations for the turf surface (e.g. NO heavy vehicle traffic, etc.)

D. The TotTurf[®] Synthetic Plus[®] System Performance Characteristics:

1. Robertson Industries guarantees that the TotTurf[®] Synthetic Plus[®] system will meet the following performance criteria:
 - a. Head-Impact criteria of ASTM F1292-99. Attenuation safety test is at 8' drop height.
 - b. Other ASTM Testing criteria upon request.

1.06 Surface Area

See drawings for layout. Robertson Industries to field-verify all measurements.

1.07 Utilities

Owner will supply necessary water, adequate lighting and electricity for installation. Owner shall permit the use of toilet and wash up facilities.

PART 2 — MATERIALS

2.01 TotTurf® Synthetic Plus®

- A. TotTurf® Synthetic Plus® shall be a permeable in-filled synthetic grass that provides the look, the feel, and the playability of natural grass.
1. The entire system is resistant to weather, insects, rot, mildew, fungus growth, and is non-toxic.
 2. The surface provides superior traction in all types of weather.
 3. The in-fill materials are selected to provide shock attenuation and promote the wearability of the system. The system shall maintain a G-Max reading as described in ASTM F1292-99.

2.02 Carpet Fiber

- A. Polymer fiber, 2.36" long poly-fiber tufted into a permeable double layer primary backing with a secondary backing. The tufts are fanned (or unfolded) prior to installation.
- B. Primary backing is UV-treated polypropylene, weighing approximately 8 oz/sq.yd.
- C. Secondary backing is a permeable application of styrene-butadiene coat to lock the fiber tufts into the primary backing materials.

2.03 Infill

Infill shall consist of a 3/4" Silica Sand base layer and a 3/4" SBR Granulated Rubber Base as approved by the manufacturer.

2.04 Miscellaneous

Perimeter edge details shall be approved and included in Robertson Industries pricing. Sub-Base preparation, underground sewage and drainage are not included in these specifications nor Robertson Industries pricing and should be completed by the owner.

PART 3 – EXECUTION

3.01 General

- A. The installation shall be performed in full compliance with approved shop drawings.
- B. Only factory-trained technicians skilled in the installation of TotTurf® Synthetic Plus® systems shall undertake the placement of the system.
- C. The surface that shall receive the TotTurf® Synthetic Plus® system shall be inspected and approved by Robertson Industries.
- D. Robertson Industries shall thoroughly inspect all materials delivered to the site both for quality and quantity to assure that the entire installation shall have sufficient material complete the scope of the project.