



**SECTION 02792**

**Athletic and Recreational Synthetic Turf Surfaces**

**These specifications were current at the time of publication but are subject to change at any time without notice. Please confirm the accuracy of these specifications with the manufacturer and/or distributor prior to installation.**

**PART 1 GENERAL**

**1.01 Work Included**

- A. This work includes furnishing and installing the Child Safe Synthetic Playground Turf safety surface.

**1.02 Description of System and General Conditions**

- A. CSP shall be synthetic turf over a loose/ hand trowel elastic resilient rubber surface or manufacture shock pad installed over the specified base. The surfacing manufacturer shall be responsible for all labor, materials, tools, equipment and services for the installation of the surface. The surface shall be stable and slip resistant to comply with all requirements set forth in the Americans with Disabilities Act.

**1.03 Quality Assurance**

Synthetic Turf	
Pile Weight	40 oz.
Face Yarn Type	Blended Polypropylene & Polyethylene Monofilament
Yarn Size	4200 KDK / 7500 / 5 end
Total Denier	11,700
Pile Height (Tufted)	1 12/32"
Color	Green
Construction	Broadloom Tufted
Stitch Rate	10.5/3"
Tufting Gauge	3/8"
Primary Backing	Stabilized Woven Polypropylene
Secondary Backing	20 oz. Urethane
Total Product Weight	67 oz. / SQ Yard

- A. Test Results
  - a. Impact Attenuation - ASTM F1292 Impact attenuation test results shall meet or exceed Consumer Product Safety Commission Guidelines for impact attenuation (G-max and Head Injury Criteria "H.I.C").
  - b. Accessibility of Surface Systems – ASTM F1951: All playground surfacing products must ensure wheelchair access under and around playground equipment as required by the American Disabilities Act.
  - c. Permeability: Product shall permit vertical water flow @ 0.4 gal/yd 2/second

B. Insurance Requirements

- a. All bidders must carry minimum insurance of \$1,000,000 general liability; \$1,000,000 product liability with excess liability.

**1.05 Submittals**

- A. Alternate product must be submitted 10 days prior to bid date with submittals.

**1.06 Warranty**

- A. Child Safe Synthetic Playground Turf safety surface shall be warranted for one year against material defect and for a period of eight (8) years against UV degradation. Written warranty must be submitted by the surface manufacturer.

**1.07 Approved Manufacturer/Installer, Child Safe Products 1-800-730-0064**

- A. Any product or surfacing manufacturer not meeting prior approval requirements of this section shall not be approved.

**PART 2 PRODUCTS**

**2.01 Materials**

- A. Perforated Poly Fiber Carpet >1" pile height with a face weight > than 40 oz/sq yd tufted into a primary back with a secondary backing of urethane.
- B. Rubber Infill Course 10/20 or 14/20 crumb SBR granules.
- C. Cushion Impact Course – SBR loose rubber nuggets, bonded rubber or, pad.
- D. PTW Wood or Composite Plastic perimeter edge

**PART 3 PROCEDURES**

**3.01 Base Requirements**

- A. The base shall have the specific minimum slope (2%) and shall vary no more than 1/8" when measured in any direction with a 10' foot straight edge. A compacted stone base is subject to planarity tolerance specification.

NOTE: Stone base must be properly treated with herbicides (by others) prior to arrival of surface installation crew.

**3.02 Preparation**

- A. Scheduling – Child Safe shall be installed following installation of play equipment. The temperature should be 40 degrees and rising during installation of surface.

### **3.03 Installation**

A. Thickness - Total depth of the surface to meet critical fall requirement of the equipment. Surface thickness will vary in the Cushion Impact Course according to fall height. The architect or owner's representative should contact the equipment manufacturer to determine exact fall height requirements.

B. Trim, seam Poly Fiber Carpet and secure to perimeter edge using 1 3/16" staples @ 3" OC (Min) over PTW wood or .75" staple @ 12" OC (Min) over composite plastic. Install rubber infill course with rake and brush.

A. Edges - Surface edges shall be flush with edge of adjacent area or tapered to provide safe transition.

### **3.04 Protection**

A. Surface installation crew shall be responsible for the protection of Child Safe surface during the installation process. Owner or general contractor shall be responsible for the protection of the surface upon completion of the installation.

## **PART 4 COLORS**

**4.01** Standard Color: Green.

**NOTICE: These specifications are merely guides for use by Landscape Architects, engineers, contractors. It is hoped that these specifications will be of particular value to those who do not have detail knowledge of synthetic safety flooring and that it will aid in maintaining high construction standards. CSP, its agents and employees do not warrant the specifications as proper under all conditions.**

**FOR OTHER SPECIFICATIONS OR COLORS**

**PLEASE CONTACT:  
Child Safe Products 1-800-730-0064**