



## **RascalTurf™ With Infill**

# SPECIFICATION

### **PART 1 - GENERAL**

#### **1.01 SUMMARY**

- A. Section Includes: RascalTurf™ with Infill playground surfacing system.

#### **1.02 SYSTEM DESCRIPTION**

- A. The surface consists of a bridging impact pad and surface finish (stabilized granular materials finished with loose rubber infill laid into a synthetic grass) for a playground surfacing system that has been designed, manufactured and installed to meet the following criteria:
  - 1. Shock Attenuation (ASTM F1292):
    - a. Gmax: Less than 200.
    - b. Head Injury Criteria: Less than 1000.
  - 2. Flammability (ASTM D2859): Pass.
  - 3. Tensile Strength (ASTM D412): 60 psi (413 kPa).
  - 4. Tear Resistance (ASTM D624): 140%.
  - 5. Water Permeability: 0.4 gal/yd<sup>2</sup>/second.
  - 6. Accessibility: Comply with requirements of ASTM F1951.

#### **1.05 QUALITY ASSURANCE**

- A. Utilize an installer approved and trained by the NGI Sports for the RascalTurf surfacing system..

#### **1.06 DELIVERY, STORAGE & HANDLING**

- A. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- B. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at a minimum temperature of 40 degrees F (4 degrees C) and a maximum temperature of 90 degrees F (32 degrees C).



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#### **1.07 PROJECT/SITE CONDITIONS**

- A. Environmental Requirements: Install surfacing system when minimum ambient temperature is 40 degrees F (1 degree C) and maximum ambient temperature is 98 degrees F (32 degrees C). Do not install if steady or heavy rain is prevalent.

#### **1.08 WARRANTY**

- A. Manufacturer's Warranty: Warranty Period: 5 years from date of completion of work.

## PART 2 - PRODUCTS

### 2.01 RASCAL TURF™ WITH INFILL PLAYGROUND SURFACING SYSTEM

A. Manufacturer: NGI Sports, a division of River City Athletics LLC.

1. Contact: 2807 Walker Road, Chattanooga TN 37421; Telephone: (800) 835-0033, (423) 499-5546; Fax: (423) 499-8882; E-mail: [info@ngisports.com](mailto:info@ngisports.com); website: [www.ngisports.com](http://www.ngisports.com).

Proprietary Products/Systems. RascalTurf™ with Infill playground surfacing system shall be in accordance with the following:

B. Material:

a. Rascal Turf™ Synthetic Turf Materials

1. Polyethylene fibers woven into a polypropylene interliner finished with a polyurethane backing coating.
2. Fibers shall be an 8,000 or 10,000 denier, 100% polyethylene, green in color, low friction measuring not less than 2 inches high treated with a UV inhibitor guaranteed a minimum of five years.
3. Tufted fiber weight shall not be less than 44 ounces per square yard. The fiber shall be tufted on a 3/8" gauge machine. The low friction non-abrasive fiber shall be 100% polyethylene, treated with a UV inhibitor.
4. Turf rolls shall be delivered in 15' wide rolls by lengths best suited for the project.

b. Rascal Turf™ Infill System

1. The initial infill shall consist of mason sand, installed either manually or mechanically into and within the turf fibers at a rate of 1 lb psft.
2. Secondary infill shall consist of a non-compacting mixture of ambiently recycled SBR or EPDM crumb rubber, black in color, 1-4 mm in size. The rubber shall be applied either manually or via mechanical device at a rate of approximately 3 pounds per square foot.

## PART 3 - EXECUTION

### 3.01 MANUFACTURER'S INSTRUCTIONS

A. Comply with the instructions and recommendations of the surfacing manufacturer.



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### 3.03 PREPARATION

A. Surface Preparation:

1. Excavate soil to proper depth. Lay porous geotextile fabric over soil. Stake fabric around perimeter. Edge detail options include folding and burying synthetic grass; wood or concrete curbs; a variety of landscaping edging materials.
2. Crushed stone or pea gravel must be contained by wood or concrete border, which the material will abut.

### 3.04 INSTALLATION

- A. Do not proceed with playground surfacing installation until all applicable site work, including substrate preparation, fencing, playground equipment installation and other relevant work, has been completed.
- B. Basemat Installation:
  - 1. Unroll 12' wide rolls of pad and lay over base, adhere seams with duct tape
- C. RascaTurf™ with Infill installation:
  - 1. Rough cut synthetic grass rolls for installation.
  - 2. Using 10" wide polyester tape and 1-part urethane adhesive, seam synthetic grass rolls to form monolithic surface. Adhere synthetic grass to basemat around playground perimeter.
  - 3. Using manual or machine-operated spreading equipment, distribute 1" mason sand throughout turf.
  - 4. Using manual or machine-operated spreading equipment, distribute 3 lbs rubber infill psft on top of mason sand, throughout synthetic grass to within 1/4" to 1/2" of fiber tip.

### 3.05 PROTECTION

- A. Protect the installed playground surface from damage resulting from subsequent construction activity on the site.

END OF SECTION

*PLEASE NOTE THAT THIS SPECIFICATION IS TO BE USED AS A GUIDELINE. THIS INFORMATION MAY NOT BE PROPER UNDER ALL CONDITIONS*



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