

SPECIFICATIONS

Section 02543

SYNTHETIC NOVABOCCE RESURFACING

PART 1 - GENERAL

1.01 SUMMARY

- A. This section includes, and is not limited to:
1. Construction of a synthetic field surface consisting of a grass-like network of tufted, ultraviolet resistant fibers interlocked with sand, installed over existing {Asphalt}{Crushed Rock}{Concrete} base course.
 2. Existing Base Preparation
- B. Related Sections
1. Section {01300: Submittals}{01340: Shop Drawings, Product Data and Samples}.
 2. Section {02500: Paving and Surfacing}.
 3. Section {02520: Paving}

1.02 QUALITY ASSURANCE

- A. NovaBocce surfaces shall be constructed by an approved installer certified by NGI Sports.
- B. Each roll shall be clearly marked.
- C. Material shall not be installed when rain is imminent or the temperature is below 40° F (4° C).

1.03 WARRANTY

- A. Materials shall have a five-year limited warranty supplied by the manufacturer.

- B. Contractor to provide {Owner} {Architect} {Landscape Architect} {Engineer} written warranty at completion of project in accordance with Section {01700} {01740} of the project manual.

PART 2 - PRODUCTS

2.01 SYNTHETIC GRASS NOVABOCCE SURFACING

- A. The NovaBocce surface shall consist of polyethylene fibers with a minimum 7 year ultraviolet stabilization package, and shall meet the following:

| | | |
|----|-----------------------|----------------------|
| 1. | Elongation | 18.17% |
| 2. | Breaking Strength | 52 |
| 3. | Melting Point | 334°F (168° C) |
| 4. | Pill Test | Pass |
| 5. | Construction | Tufted |
| 6. | Backing | Liquid Polymer |
| 7. | Grab Tear Strength | 200+ lbs (91 kg) |
| 8. | Seam Tensile Strength | 55 lbs/inch, minimum |
| 9. | Fiber | Polyethylene |

All testing methods match or exceed standards as set through ASTM D418, D1682, D2256, and D2859

- B. The color shall be merion green, and all fibers in each roll applied to the surface shall be the same dye lot.
- C. Granular Fill Material. Specially selected grade and shape granules applied at an approximate rate of 3.25-3.5 lbs per square foot.
- D. Joint Adhesive. Single strength industrial cured adhesive.
- E. Joint Tape. High quality weather-proof tape, minimum 15" wide.

3.01 SURFACE PREPARATION

- A. NovaBocci surfacing system shall be installed on sound base surface with surface tolerance not exceeding 1/8" in 10' when measured in any direction with a minimum slope in one direction of 1/2 of one percent.
- B. Existing asphalt and concrete bases.
1. Once the surface has been thoroughly cleaned and is free of all loose material, dirt, dust and foreign debris, the area should be flooded with water and allowed to drain. Any area that holds water in a depth greater than 1/16th inch (thickness of a nickel) shall be outlined and patched.



2. Surface Leveling: Birdbaths shall be primed using one of the following:
 - A. Surface Patch Five gallons (18.9 liters). NGI Sports surface patch, 200 lbs (90.7 kg), silica sand and two to three gallons (7.6 to 11.4 liters) Type I Portland Cement. Applied in layers up to ¾" deep.
 1. The area to be patched shall be primed using two parts water to one part NGI Sports Surface Patch.
 2. The primer shall be brushed into place and allowed to dry prior to placement of the patch.
 3. Cracks shall be cleaned, primed and filled with dry silica sand up to ¼" of top surface profile and then filled to level with Novagrass caulk compound. NGI Sports seaming tape shall be laid into wet caulk on cracks 1/8" and larger to prevent reflection.

3.02 NOVABOCCE SURFACING SYSTEM

- A. The surface course shall be repaired according to specifications.
- B. All surface course materials are to be installed after the surface has been inspected and approved by the {Owner} {Architect} {Landscape Architect} {Engineer}.
- C. All joints shall be attached with adhesive and NGI Sports seaming tape. Heat seaming methods, glue and mylar systems shall not be allowed. All seams shall be cut without damaging the tops of the fibers by double cutting.
- D. Sand Layer: Using a special mechanical device to filter the sand into the fibers, the sand shall be placed into the turf material and brushed.
- E. Do not allow petroleum products to be spilled on the surface.

3.03 CLEAN-UP

- A. Upon completion of the work, the contractor shall remove all containers, surplus materials and debris and have the site in a clean and orderly condition acceptable to the {Owner} {Architect} {Landscape Architect} {Engineer}.
- B. Maintenance: Periodic brushing for routine maintenance. Refer to owner's manual for yearly program.
- C. Provide {Owner} {Architect} {Landscape Architect} {Engineer} with maintenance manual upon completion of project in accordance with Section {01700}{01730} of the project manual.

END OF SECTION