

## **SECTION 553 - TENNIS AND BASKETBALL COURT COLOR COATING**

### **553.01        DESCRIPTION**

This work shall consist of furnishing all materials, labor, tools, equipment and incidentals necessary to install the tennis court color surfacing as described herein.

### **553.02        REFERENCE STANDARDS**

Not applicable

### **553.03        DEFINITIONS**

Not applicable.

### **553.04        MATERIALS**

Application of the color surfacing system shall be in strict accordance with the instructions provided by the manufacturer. Industry products which will be accepted include those supplied by Nova Sports U.S.A., Copeland Latexite, California Products, Plexipave, or approved equal, Proposed materials must be approved by the M-NCPPC CM.

### **553.05        SUBMITTALS**

- A. Qualifications: Provide list of ten projects over past five (5) years include 2 references from previous projects with photographs.
- B. Product Data: Submit for each type of material used.
- C. Warranty: Provide warranty materials.
- D. Cleaning and Maintenance instructions: Provide.
- E. Color Samples: Submit color samples for product to be approved by the M-NCPPC CM.

### **553.06        QUALITY ASSURANCE**

- A. The installation contractor must provide projects to M-NCPPC showing a minimum of ten (10) accepted projects over the past five (5) years, utilizing materials and methods described herein.
- B. Provide references including photographs of two (2) projects.

**553.07 CONSTRUCTION**

- A. Prior to the application of the color finish system, the court surface shall first be cleaned of all dirt, dust, oil, grease and debris. If necessary, water pressure and detergent shall be used to remove grease and oil.
- B. The court surface shall then be flooded with water to locate low areas that are greater than one-eighth inch deep. Minor depressions shall be leveled by spreading one layer or more of patch mix over the area by means of a straight edge screed or a squeegee. The patch binder must be compatible with the color surfacer system, and must be undiluted. Any rough paving joints and/or roller marks must be leveled smooth prior to application of colorcoat.
- C. The minimum curing time for the asphalt surface course shall be fourteen (14) days, after which the contractor may proceed to the resurfacer. The following mix shall be used:

<b>Description</b>	<b>Amounts</b>
Filler Coat Binder	55 Gallons
80-100 Mesh Sand	400 lbs.
Water	24 Gallons

The

material shall be thoroughly mixed to ensure a uniform consistency. The total thickness shall not exceed one-eighth inch. The installation of this coat and the subsequent colorcoats shall be accomplished by the use of long flexible rubber squeegees. Each application must be thoroughly dried before proceeding to the next coat. The contractor shall allow the asphalt binder to cure for forty-eight (48) hours before proceeding to the colorcoat.

- D. Following the resurfacer course, the contractor shall apply three (3) coats of acrylic color texture course. The following mix shall be used for each course:

<b>Description</b>	<b>Amounts</b>
Colored Texture Course	55 Gallons
60-90 Mesh Sand	450 lbs.
Water	30 Gallons

The surface shall be checked for ridges between applications. Imperfections shall be scraped smooth and the surface cleaned of any loose material. These coats shall be applied parallel to the playing net.

- E. Once the texture course has dried to a firm set, the final colored surface course shall be applied, parallel to the long dimension of the court. This mix shall consist of two parts coating to one part cool potable water.
- F. The color materials shall not be applied when the ambient temperature is below 50° F,

when the tennis court surface temperature is above 140°F, or when rain is imminent.

- G. Once the final coat has thoroughly cured, the two-inch wide playing lines shall be laid out, taped and hand painted. The paint must be approved by the M-NCPPC CM. The lines shall be installed in accordance with U.S. Tennis Association regulations.
- F. Warranty: The Contractor shall guarantee in writing for the period of two (2) years from date of substantial completion, any structural cracking on the newly completed asphaltic surface. The Contractor will further guarantee the color finish materials for two (2) years from the date of substantial completion against chalking, checking, facing, discoloration, or other adverse affects from ultraviolet ray of the sun, moisture, or temperatures. Acrylic patching and crack repair work to be warranted for a period of two (2) years. This guarantee period for these items supersedes that found in the general conditions.

**553.08            MEASUREMENT AND PAYMENT**

Payment for all items covered in this specification shall be as indicated in the bid proposal sheets for each item. The lump sum or square yard shall include all equipment, materials, labor and tools necessary to satisfactorily complete the work as indicated in the drawings and herein described.