

CITY OF ALBANY

Standard Specifications Technical Provisions

Section 21

Tennis & Basketball Court Resurfacing

21-1 General

The contractor shall:

- A. Submit the proposed construction schedule and recommendations regarding the extent of the refinement course needed (should it differ from the Engineer's Estimate) to the Engineer for review 7 days prior to commencing construction.
- B. Maintain adequate warning signs and barricades for the safety of the public and protection of the work acceptable to the City. Contractor shall maintain pedestrian access through work area.
- C. Bear all responsibility for all damages and costs of repair to existing utilities. Should any such utility be damaged during construction, all expenses of whatever nature arising from the restoration of the utility to its original service shall be borne by the contractor and no additional compensation will be allowed by the City.
- D. Remove all tennis nets prior to the commencement of work and reinstall nets following completion of work to the satisfaction of the inspector.
- E. Remove all fencing required to provide access for equipment, and/or adjustment for clearance as directed by the City. Any such fencing removed shall be re-erected in conformance to the standards of the trade and in a timely manner at no additional cost to the city.
- F. Clean all ground occupied by the work of all rubbish, excess material, and equipment prior to start of the job and prior to final inspection of the job.
- G. Exercise due care in the protection of all existing walks, fencing, landscaping and all adjacent improvements and shall repair all damages to

the satisfaction of the Engineer.

- H. Not perform any part of the resurfacing project during rainfall or when rainfall is imminent and/or unless the air temperature is at 50 degree F and rising.
- I. Understand and know job site relative to specifications herein specified.

21-2 Materials

21-2.1 Resurfacing System — Plexipave System as manufactured by California Products Corporation. Decoralt Color System as manufactured by Koch Asphalt Company, or approved equal.

21-2.2 Refinement Course — A mixture of plaster sand, water, and either a acrylic resurface or asphalt refinement course material and asphalt emulsion. The mixture should conform to recommendations of the resurfacing system manufacturer and be subject to the approval of the Engineer. Suggested mixtures include either of the following:

Plexipave System

Acrylic Resurface	55 gals.
Water	20-40 gals.
Sand (40-60 mesh)	600-900 lbs.

Decoralt System

Plaster Sand	3 gals.
Surfix TT650 or Over Kote	2 gals.
Asphalt Emulsion	1/2 gal.

Asphalt Emulsion shall conform to Federal Specification SS-A-674c and/or ASTM D977.

Plaster Sand shall be clean, free from silt or clay, and graded as follows:

Sieve Size	% Passing
#4	100
8	95-100
16	70-100
30	40-75
50	10-35
100	2-15

21-3.4 Texture Coat

Plexipave System: Plexipave filled with sand to produce a medium play surface.

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Decoralt System: Decoralt MP (920-27) filled with sand to produce a medium play surface.

21-3.4 Finish Coat

Plexipave System: Plexichrome

Decoralt System: Decoralt MP (920-27)

21-3.5 Line Paint — Plexicolor Line Paint as manufactured by California Products Corporation or White Striping Paint manufactured by Koch Asphalt Company, or equal.

21-3.6 Colors

Tennis Courts: All tennis courts shall have a dark green playing surface with red on the exterior. The resurfacing system shall be a full depth color system, i.e. the green playing surface shall receive all three color coats of green, the red surface shall receive all three color coats of red, etc. The Contractor shall submit color samples to the Engineer for approval prior to the beginning of work.

21-3 Application

21-3.1 Refinement Course — Prior to the application of any materials, the entire area shall be water flooded and all depressions holding over 1/8" depth of water shall be filled with refinement course mix and allowed to cure. All surface cracks and holes greater than 1/8" in depth shall be cleaned of any loose or foreign materials and filled with refinement course mix and allowed to cure. All ridges, loose or foreign particles shall be removed from the surface.

Apply two coats by pouring from a can or wheeled container to continuous parallel lines and spreading immediately with a rubber faced squeegee. The squeegee shall be pulled on an angle from the line and spread so as to continuously roll the material toward the operator and not overflow or "spill" on its forward edge away from the operator. After each coat has dried, any ridges shall be removed with scrapers and the surface rolled with a two to four (2-4) ton

roller.

The minimum applications shall be at the rate of not less than twenty five (25) gallons per coat of undiluted refinement course material per 1,000 square feet or as recommended by the manufacturer and shall cover the existing color coat.

Upon completion of rolling, the area shall be water flooded and rechecked for depressions holding over 1/8" depth of water. Should any depressions appear, these areas should be filled with refinement course material again as outlined above. The finished surface shall be smooth, free of ridges, valleys and too marks. Approval shall be made by the Engineer prior to proceeding to the color coatings.

21-3.2 Texture Coat

Plexipave System: Over the completed refinement course or a thoroughly clean surface in areas not receiving a refinement course, apply two (2) coats of Plexipave mix in accordance with the manufacturer's direction at a rate of not less than 0.08-0.1 gallons per square yard total for the two coats. If the asphaltic surface course is not covered to a uniform, even texture, free of all porosity, a third texture coat shall be applied to attain uniformity. The first coat shall be applied lengthwise of the court and the second coat crosswise of the court. Care should be taken not to leave ridges of mix where adjoining applications overlap. Dilution rate shall not exceed 1 part water : 2 parts Plexipave.

Decoralt System: Over the completed refinement course or a thoroughly clean surface in areas not receiving a refinement course, apply two coats of DecoColor Multi-Purpose Coating 920-27 mix in accordance with the manufacturer's direction at a rate not less than 1 gallon per 100 square feet per application. If the asphaltic surface is not covered to a uniform, even texture, free of all porosity, a third coat shall be applied to attain uniformity. The first coat shall be applied to lengthwise of the court and the second coat crosswise of the court. Care should be taken not to leave ridges of mix where adjoining applications overlap.

21-3.3 Finish Coat

Plexipave System: On a clean, dry underlying surface apply one application of Plexichrome in accordance to the manufacturer's recommendation at a rate not less than 0.04 gallons of material per square yard. The application shall be made cross-wise of the court and with a wide hair type pushbroom or a rubber bladed squeegee followed by a pushbroom and shall produce a uniform color throughout. Dilution rate shall not exceed 1 part water : 1 part Plexichrome.

Decoralt System: On a clean, dry underlying surface, apply one application of DecoColor Multi-Purpose Coating 920-27 in accordance with manufacturer's

recommendation at a rate not less than 0.5 gallons of material per 100 square feet. The application shall be made cross-wise of the court and with a wide hair type pushbroom or a rubber bladed squeegee followed by a pushbroom and shall produce a uniform color throughout. Dilution rate shall not exceed 1 part water:2 part Decoralt MP (920-27).

21-3.4 Playing Lines — Two inch wide playing lines shall be accurately located, applied by brush or spray, free from any fogging or overspray. Line paint shall be white. All measurements shall conform to the United States Tennis Association dimensions. All lines shall be straight and true with no irregular edges.

21-4 Measurement — The quantities of Tennis Court Resurfacing will be measured on a square foot basis of completed and acceptable resurfacing.

21-5 Payment — The contract unit prices for Tennis Court Resurfacing shall include full compensation for furnishing all labor, materials, tools, equipment, line painting, crack filling, coloring and incidentals for completing the resurfacing, as specified, and no additional payment shall be made therefor.