

SECTION 28 TENNIS AND BASKETBALL COURT RESURFACING

28-01 GENERAL

Tennis and basketball court resurfacing shall conform to the requirements of the specification contained herein.

28-02 MATERIALS

The following materials to be used are manufactured by California Products Corporation. Area Distributor: Fraser-Edwards Co., phone (515) 826-9595 or approved equal:

Crack and Expansion Joint Filler: Plexipave Crack Filler
Leveling Material: Plexipave Court Patch Binder
Filler Coating Material: Acrylic Resurfacer
Acrylic Surface Course Material: 100% Acrylic Fortified Plexipave Filler Coat (Plexichrome Acrylic Filler Coat and Plexichrome Acrylic Finish Coat)

The following surface course colors shall be used:

Tennis Courts: Green - within playing lines
 Red - outside playing lines

Basketball Courts: Black

Final colors will be selected by the Engineer based on the color chart submitted by the Contractor.

Line markings shall be 100% Acrylic Plexicolor Line Paint.

Surface sealers shall be Clear Glo #3, for basketball court only.

28-03 CONSTRUCTION

No construction shall be conducted during rainfall or when rain is imminent. The air temperature must be at least 50 degrees Fahrenheit and rising. Do not apply new surface materials when the surface temperature is in excess of 140 degrees Fahrenheit.

All operations shall be performed in accordance with the manufacturer's printed instructions. The Contractor shall conform to any special limitations relating to the individual products used on this project.

Maintain the work site in a clean and rubbish-free condition. The work site shall be cleaned up at the end of each working day.

The Contractor shall protect from damage all completed work. All new work found defective or damaged prior to its acceptance shall be repaired or replaced by the Contractor at no expense to the City.

Fill cracks equal to or greater than 1/8 inch with a crack filler. Cracks shall be cleaned and free from loose dirt, dust, weeds, greases and oils. These areas shall be blown clean with an air compressor or high-pressure water prior to applying crack filler. After drying, any rough edges shall be sanded smooth and loose. Material shall be removed from the court.

Flood the entire area with the water in the presence of the Engineer to check for minor depressions. Any depressions holding water, which covers the thickness of a nickel after one hour of drying time, shall be corrected. Depressions shall be filled with the specified leveling material. After leveling, the surface shall not vary more than 1/8 inch in ten (10) feet measured in any direction.

Thoroughly clean the entire tennis court surface to remove all loose surface material, stains, weeds, gum, or other foreign material from the court prior to resurfacing.

Apply two (2) coats of black acrylic resurfacer material by a flexible rubber bladed squeegee on a clean and dry court surface in order to provide a smooth and uniform texture surface.

Apply three (3) coats of acrylic surface course material by flexible rubber bladed squeegee on a clean and dry court surface. The first coat shall be applied lengthwise along the court; the second and third coats shall be applied transversely across the court. No application shall be covered by a succeeding application until thoroughly cured. The finish surface shall have a uniform appearance and shall be free from ridges and tool marks.

Following the drying of the finished surface, two (2) inch wide white playing line markings shall be accurately located, marked, and painted with acrylic line paint. Tennis layout lines shall be in conformance with the specifications of the United States Tennis Association. Basketball layout lines shall be in accordance with NCAA specifications.

Following the drying of the paint line, apply two (2) coats of surface sealer over the entire court surface.