
ACRYLIC COLOUR SURFACING AND LINE PAINTING

PART 1 GENERAL**1.1 Related Work**

- .1 All Division 1 Specification Sections
- .2 Section [02701](#) Aggregate Materials
- .3 Section [03300](#) Cast-In-Place Concrete

1.2 References

- .1 Current ASBA (American Sports Builders Association) Guide Specifications.

1.3 Delivery and Storage of Materials

- .1 Deliver materials to site in original unopened containers with proper manufacturer's label affixed.
- .2 Store materials in accordance with manufacturer's specifications.

1.4 Quality Control and Testing

- .1 The acrylic colour system shall be installed by a court speciality professional with a minimum of five (5) years of experience in court surfacing work and must have successfully completed a minimum of five (5) projects of similar scope in each of the past three (3) years.
- .2 Court sub-Contractor must be a certified acrylic installer.
- .3 Acceptable court sub-Contractors are:
 - .1 Barber Sport Surfaces Ltd. 905-475-1611
 - .2 Court Contractors Ltd. 905-672-2808
 - .3 Tennex Systems Inc. 905-841-2045 or 905-841-4392
- .4 If an alternate court professional is proposed, they must meet the above qualifications and provide a list of past projects, complete with addresses, contact names and phone numbers, to the Consultant for approval.

1.5 Samples

- .1 The Contractor is to submit samples of surface system and colour chart to the Consultant in accordance with Section [01330 Submittals](#).
- .2 Mark samples with name of project and its location, manufacturer's

ACRYLIC COLOUR SURFACING AND LINE PAINTING

name and address, name of coating and colour;

- .3 Submit manufacturer specifications for components and installation instructions.

PART 2 PRODUCTS**2.1 Materials**

- .1 All surface coating products shall be supplied by a single manufacturer.
- .2 Tennis Court Surfacing Materials shall be:
 - .1 **Novacrylic:** as manufactured by Nova Sports U.S.A.
6 Industrial Rd., Bldg. #2., Milford, MA 01757.
www.novasports.com or
 - .2 **Plexipave:** as manufactured by California Products Corp.
Andover, MA. 01810. Plexipave System www.plexipave.com
 - .3 or **Equivalent**
- .3 Acrylic Colour Surfacing shall be pure acrylic, containing no asphaltic or tar emulsions, nor any vinyl, alkyd or non-acrylic resins. The color system shall be factory-mixed compounds requiring only the addition of water at the site:
 - .1 **Novacrylic:** Novacrylic Combination Surface, or
 - .2 **Plexipave:** Fortified Plexipave.
 - .3 or **Equivalent**
- .4 Colours shall be confirmed and approved by Consultant prior to ordering:
- .5 Acrylic Resurfacer shall be 100% acrylic concentrate/filler blended with silica sand and water at the site:
 - .1 **Novacrylic:** Novasurface, or
 - .2 **Plexipave:** Acrylic Resurfacer.
 - .3 or **Equivalent**
- .6 Patching Mix shall be used for patching cracks, holes, depressions and other surface imperfections:
 - .1 **Novacrylic:** Novabond, or
 - .2 **Plexipave:** Court Patch Binder.
 - .3 or **Equivalent**

ACRYLIC COLOUR SURFACING AND LINE PAINTING

- .7 Crack Filler shall be used for filling fine cracks:
 - .1 **Novacrylic:** Novacaulk, or
 - .2 **Plexipave:** Plexipave Crack Filler.
 - .3 or **Equivalent**

- .8 Line painting (white) shall be:
 - .1 **Novacrylic:** Novatex textured line paint and Seal-A-Line primer, or
 - .2 **Plexipave:** Plexicolor textured line paint and Line Rite.
 - .3 or **Equivalent**

PART 3 EXECUTION**3.1 Preparation and Condition of Surfaces**

- .1 New asphalt paving shall cure for a minimum of fourteen (14) days of warm weather prior to application of any surfacing materials.
- .2 Surfaces shall be cleaned using a stiff bristle broom and gas powered blower or water based pressure spray unit capable of generating 2500 psi at the nozzle tip, to remove all dirt and debris.

3.2 Preparation for Acrylic Colour System

- .1 Cracks and Holes: Clean cracks and holes so that is it free of all vegetation and debris. Remove all loose pavement from cracks. Repair according to manufacturer's specifications. Allow repair to dry prior to applying acrylic colour system.
- .2 Depressions: The surface shall be flooded. Any ponding water remaining that is deep enough to cover the thickness of a five-cent piece shall be corrected using a patch mix as per manufacturer's directions and specifications. Depressions must be primed with a 50% dilution of patch binder and water prior to patching.
- .3 All areas to be colour coated shall be clean, free of grease, oil, dust, dirt and other foreign matter before starting work.

3.3 Application of Acrylic Colour System

- .1 The Contractor must notify the Consultant of all applications, forty-eight (48) hours prior to installation for inspection and approval of the surface;
- .2 All areas to be colour coated shall be clean, free of grease, oil, dust,

ACRYLIC COLOUR SURFACING AND LINE PAINTING

dirt and other foreign matter before starting Work;

- .3 Coatings are waterborne and cannot cure in cold temperatures or when subject to moisture. Care should be taken not to apply coatings when rain is forecast or sudden drop of temperature is expected. Climatic conditions such as very cool evenings and high dew points dictate that work should be completed early in the day so the coatings can be exposed to enough warm sunlight to form a film before sunset. The opposite applies during times of high heat, low humidity and drying breezes: under these conditions, work very early in the morning or very late in the day. If the product seems to be drying too fast in hot weather, mist the pavement with water to make the application easier;
- .4 Application shall proceed only if the surface is dry and clean and the temperature is at least ten degrees (10°C) and rising, and the surface temperature is not in excess of sixty degrees (60°C). Do not apply coatings when rain is imminent;
- .5 Each coat in this system must dry completely before next application. Between each coat, inspect entire surface. Any defects should be repaired. Scrape surface to remove any lumps, and broom or blow off all loose matter;
- .6 Acrylic Resurfacer: This filler course is used as a resurfacer, once the asphalt surface has been properly repaired, to fill voids and hide the profile of aggregates in the pavement prior to the application of acrylic colour surfacing systems.
 - .1 Using a neoprene rubber squeegee, apply two (2) coats of acrylic resurfacer according to manufacturer's specifications;
 - .2 Allow each application to dry thoroughly before next application.
- .7 Acrylic Colour Surfacing: This is the colour coating course
 - .1 Using a neoprene rubber squeegee, apply a minimum of two (2) coats of the acrylic colour surfacing according to manufacturer's specifications.
 - .2 Allow each application to dry thoroughly before next application.
- .8 The finished surface shall have a uniform appearance and be free from ridges and tool marks.

ACRYLIC COLOUR SURFACING AND LINE PAINTING

3.4 Line Painting

- .1 Upon completion and acceptance of the surface from the Consultant, the Contractor shall prepare and paint lines.
- .2 Lines shall be 50mm (2") wide unless otherwise noted on the drawings.
- .3 All lines are to be applied by painting between masking tape with a paintbrush or roller, according to the applicable detail and USTA specifications. Obtain approval of layout prior to painting.
- .4 Prime masked lines with line primer, allow application to dry.
- .5 Paint lines. Apply two coats. Allow application to dry thoroughly before next application.
- .6 Remove masking tape immediately after lines are dry.
- .7 Protect adjacent areas and structures (fences, posts, sidewalks, buildings, etc.), which are not to be coated. In the event that coatings are applied to above, remove immediately before drying is complete.

3.5 Protection

- .1 Erect temporary barriers to protect coatings and markings during drying and curing.

3.6 Cleaning

- .1 Upon completion, the Contractor shall insure proper removal of all construction debris, surplus materials, empty containers and wash water, and shall leave the site in a condition acceptable to the Owner.

END OF SECTION - 02765