

ITEM 615.40000111 COLOR SEAL COAT SYSTEM, (NYCDPR)
ITEM 615.40000211 PAINTED GAMES-POTSY, SKELLY, BOXBALL, NATIONS,
(NYCDPR)
ITEM 615.40000311 PAINTED GAME –POTSY TURTLE, (NYCDPR)
ITEM 615.40000411 PAINTED NYCDPR PARK LEAF- 3 METER DIA., (NYCDPR)

DESCRIPTION

The work shall consist of the application of one or more of the following:

- a Color Seal Coat System,
- painted lines for Games, and
- a painted New York City Department of Parks and Recreation (NYCDPR) leaf emblem

to asphaltic pavements in accordance with the manufacturer's recommendations, the contract documents, this specification and as directed by the Engineer.

MATERIALS

The following sections of the Standard Specifications apply:

§701-01 Portland Cement
§712-01 Water

The Color Seal Coat System consists of multiple resurfacer coats, two (2) intermediate coats, and two (2) wearing coats. Patching mix shall be installed as necessary and as described under **CONSTRUCTION DETAILS**.

PATCHING MIX: (also known as leveling mixture) Patching Mix shall be a 100% acrylic binder designed for field mixing with silica sand and Portland cement. The Portland cement and sand specifications, as well as mixture proportions, shall be as per manufacturer's instructions. The patching mix shall be:

Court Patch Binder
as Manufactured by
California Products, Corp.
150 Dascomb Road
Andover, MA 01810
1-800-225-1141
www.decoturf.com

Arcylic Patch Binder
as Manufactured by
SportMaster Sport Surfaces
P.O. Box 2277
Sandusky, OH 44870
1-800-395-7325
www.sportmaster.net

Laykold Deep Patch
as Manufactured by
Advanced Polymer Technology
109 Conica Lane – P.O. Box 160
Harmony, PA 16037
1-724-452-1330
laykold.advpolytech.com/products

Or equal as approved by Engineer.

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RESURFACER COATS: (also known as Filler Coat) Resurfacer coats shall consist of a mixture of acrylic resurfacer, No. 50-80 mesh Silica sand and water. The sand shall be mixed with the resurfacer at the rate of 272 to 408 kilograms of sand to 208 liters of undiluted resurfacer, or at such other rate as the manufacturer shall require to meet job conditions. Water shall be added per manufacturer's specifications. The resurfacer shall be:

Acrylic Resurfacer
as Manufactured by
California Products, Corp.
150 Dascomb Road
Andover, MA 01810
1-800-225-1141
www.decoturf.com

Acrylic Resurfacer
as Manufactured by
SportMaster Sport Surfaces
P.O. Box 2277
Sandusky, OH 44870
1-800-395-7325
www.sportmaster.net

Laykold Acrylic Resurfacer
as Manufactured by
Advanced Polymer Technology
109 Conica Lane – P.O. Box 160
Harmony, PA 16037
1-724-452-1330
laykold.advpolytech.com/products

Or equal as approved by Engineer.

INTERMEDIATE COATS: The intermediate coats shall be full color acrylic filler coatings consisting of colored acrylic latex emulsion compounded with Silica sand. Water shall be added per manufacturer's specifications. The intermediate coats shall be:

DecoColor Plus with Sand 920-37
as Manufactured by
California Products, Corp.
150 Dascomb Road
Andover, MA 01810
1-800-225-1141
www.decoturf.com

Fortified Plexipave
as Manufactured by
California Products, Corp.
150 Dascomb Road
Andover, MA 01810
1-800-225-1141
www.plexipave.com

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Color Concentrate with sand
as Manufactured by
SportMaster Sport Surfaces
P.O. Box 2277
Sandusky, OH 44870
1-800-395-7325
www.sportmaster.net

Advantage Laykold
as Manufactured by
Advanced Polymer Technology
109 Conica Lane – P.O. Box 160
Harmony, PA 16037
1-724-452-1330
laykold.advpolytech.com/products

Or equal as approved by Engineer.

WEARING COATS: The wearing coats shall be full color acrylic latex emulsion. Colors shall be as shown on plans. Wearing coats are also referred to as “finish coats” and shall include sand, unless specified otherwise in the contract documents. Refer to the manufacturer’s instruction for mix proportions. Water, if required, shall be added per manufacturer's specifications. The wearing coats shall be:

DecoColor MP 920-27 (Deco)
as Manufactured by
California Products, Corp.
150 Dascomb Road
Andover, MA 01810
1-800-225-1141
www.decoturf.com

Plexichrome Acrylic Finish Coat (Plexipave)
as Manufactured by
California Products, Corp.
150 Dascomb Road
Andover, MA 01810
1-800-225-1141
<http://www.plexipave.com/>

Color Coat Concentrate (Texture Color Coat
Mixture)
as Manufactured by
Advanced Polymer Technology
109 Conica Lane – P.O. Box 160
Harmony, PA 16037
1-724-452-1330
laykold.advpolytech.com/products

Color Concentrate w/Sand
as Manufactured by
SportMaster Sport Surfaces
P.O. Box 2277
Sandusky, OH 44870
1-800-395-7325
www.sportmaster.net

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LINE PAINT: Line paint to be installed on the color seal coat shall be a 100% acrylic emulsion. The line paint shall be thinned with water only. The paint shall be suitable for application by brush, spray or roller. Line color shall be as shown on the plans.

Hi-Hide Line Paint (Deco)
as Manufactured by
California Products, Corp.
150 Dascomb Road
Andover, MA 01810
1-800-225-1141
www.decoturf.com

Laykold White Line Paint
as Manufactured by
Advanced Polymer Technology
109 Conica Lane – P.O. Box 160
Harmony, PA 16037
1-724-452-1330
laykold.advpolytech.com/products

SportMaster Line Paint
as Manufactured by
SportMaster Sport Surfaces
P.O. Box 2277
Sandusky, OH 44870
1-800-395-7325
www.sportmaster.net

Or equal as approved by the Engineer.

Submittals - At the time of the Pre-construction meeting the Contractor shall be required to submit, for approval, complete details of the color seal coat system and/or line paint proposed for use. The specifications for all information (products or systems, manufacturer's names, product description, technical and laboratory data, mixing information, methods of application, rates and all other data) should be provided and must demonstrate that the color seal coat system the Contractor proposes to use meets the requirements of this specification.

The Contractor shall also be required to submit color samples for approval.

PAINTED GAMES:

1. Painted games including Potsy, Skelly, Boxball and Nation, shall conform to Standard Detail “PAINTED GAME LAYOUT” and
2. PAINT PARK LEAF shall conform to Standard Detail “PARK LEAF OUTLINES”, Stencil No.1 Basketball Court Tipoff Circle.

CONSTRUCTION DETAILS

Before the color seal coat system is applied, the asphaltic surface to receive the system shall have cured for a minimum of thirty (30) days. The surface temperature shall be taken using a surface thermometer. The Contractor shall take readings every eighteen (18) meters in all directions. If the average surface temperature is below twelve degrees Celsius (12⁰ C) or expected to be below 12° C degrees within 24 hours, application will not be permitted. If the average surface temperature is

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above twenty seven degrees Celsius (27⁰ C), the surface shall be water fogged before application will be permitted. Application shall not be permitted during rain events or if a rain event is expected within 24 hours.

PREPARATION OF SURFACES: The surface shall be smooth, cleaned of all dirt, loose or flaking paint, loose sand, oily materials, chemical residue, vegetation and stone. The Contractor shall power wash the surface clean to the satisfaction of the Engineer prior to applying the color seal coat system.

Before application of each coat, the surface shall be blown free of all dirt and foreign matter and shall be free from standing water and oils.

APPLICATION OF MATERIALS: All materials shall be mixed at the site unless otherwise permitted by the Engineer. If the Contractor is granted permission to mix any material off the site he shall arrange with the Engineer to have a representative of the Engineer present during the mixing operations. The mixed materials shall be homogeneous, segregation before or during application will not be permitted.

All materials shall be applied by approved hand or mechanical, soft rubber squeegees. Each completed application shall be smooth, even textured, free from ridges, valleys and tool marks.

PATCHING COAT: Patching mix shall be used over new and existing asphalt to repair depressions, cracks or other irregularities. Do not apply the product when the surface temperature is below 10° C or above 54° C or when rain is eminent. Apply patching coat in lifts not to exceed thirteen millimeters (13 mm). The mixture is best applied with a trowel or straight edge. Feather edges to avoid creating a “ridge” around patched area(s). Allow the patch to fully cure before applying additional material or subsequent coats. Refer to the manufacturer’s instructions for additional information and for cure times.

RESURFACER COATS: The purpose of the resurfacer coats is to fill the surface voids of the asphalt pavement. To this end the resurfacer coat material shall be applied in multiple coats until the surface of the asphalt is free of voids and no telegraphing of the aggregate in the asphalt is visible. A minimum of two (2) coats shall be applied. However, the Contractor shall apply as many additional coats as may be required to fulfill the above requirements. The resurfacer may be diluted with water in accordance with the manufacturer's specifications to obtain workability.

Prior to the application of the resurfacer coats, the entire area shall be flooded with water and allowed to drain. Any areas holding over one and a half millimeters (1.5 mm) (thickness of a nickel) depth of water shall be leveled with a PATCHING MIX and allowed to thoroughly cure. Patching mix shall be applied in a maximum of six millimeter (6 mm) lifts. A maximum of thirteen millimeters (13 mm) total patch (2 lifts) shall be allowed. This process of water flooding and leveling shall be repeated until all depressions over one and a half millimeters (1.5 mm) have been eliminated.

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The application of the resurfacing coat shall be parallel in one direction of the courts, a second application may be made at ninety degrees 90⁰ to the first coat. Each coat of resurfacer must be allowed to cure before applying successive applications or subsequent coats. Cure time varies according to manufacturer's instructions.

INTERMEDIATE COATS: Two intermediate coats shall be applied. The total amount of material to be applied shall be as per manufacturer's instruction (approximately 0.31 to 0.72 liters per square meter) based on the material prior to any dilution. The acrylic resurfacer may be diluted as recommended by the manufacturer to obtain workability.

WEARING COATS: A minimum of two wearing coats or "finish courses" shall be applied. In the case of tennis court application, successive coats shall be applied perpendicular to each other; the final coat shall be applied parallel to the net line. The total amount of material to be applied prior to any dilution shall be as per manufacturer's instructions. The material may be diluted, as recommended by the manufacturer, to obtain workability.

LINE PAINT: All painted lines shall be carefully laid out and defined on the surface by chalk markings before being painted.

Two (2) coats of line paint shall be applied. At least four (4) hours shall elapse between the painting of the first and second coats. All painted lines shall be accurately painted within the limits shown on the plans. Lines shall be clear and distinct with sharply defined edges.

Guarantee Inspection - At the guarantee inspection if the color seal coat is found to be peeling or fading due to improper installation the contractor shall be responsible to re-apply at his own expense.

METHOD OF MEASUREMENT

The work for Color Seal Coat System will be measured as the number of square meters of color seal coat satisfactorily applied in accordance with the manufacturers' recommendation and the contract documents.

The work for painted games and/or park leaf will be measured by the number of each painted game and/or park leaf satisfactorily applied in accordance with the manufacturers' recommendations and the contract documents.

BASIS OF PAYMENT

The unit price bid per square meter of Color Seal Coat shall include the cost of all labor, materials, equipment and incidental expenses, including, but not limited to the preparation of surfaces, patching mix, resurfacer coats, intermediate coats, wearing coats and painted lines necessary to satisfactorily complete the work.

The unit price bid for each Painted Game and/or Park Leaf applied shall include the cost of

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furnishing all labor, materials, equipment and incidental expenses including, but not limited to the preparation of surfaces, patching mix, resurfacer coats, intermediate coats, wearing coats and painted lines, necessary to satisfactorily complete the work.

When installed on existing pavement where crack repair is deemed necessary, crack repair shall be paid separately under the appropriate item(s).

Item No.	Item Description	Pay Unit
615.40000111	Color Seal Coat System, (NYCDPR)	Square Meters
615.40000211	Painted Games – Potsy, Skelly, Boxball, Nations, (NYCDPR)	Each
615.40000311	Painted Games – Potsy Turtle, (NYCDPR)	Each
615.40000411	Painted Park Leaf – 3 Meter Diameter, (NYCDPR)	Each