

**ADDENDUM NO. 2**

**CITY OF MISSION  
TENNIS CENTER AT BIRDWELL PARK  
MISSION, TEXAS  
PROPOSAL NO. 18-212-06-11  
Engineer: Javier Hinojosa Engineering  
June 8, 2018**

**A. This addendum applies to work designated herein and shall become part of the proposal/contract documents.**

1. The TPS 5000 Acrylic Tennis Court Surfacing is hereby approved as equal to the current specifications. Attached are the specifications for this surface.

  
\_\_\_\_\_  
Javier Hinojosa Engineering  
By: Javier Hinojosa, P.E.

  
\_\_\_\_\_  
Date



**Please acknowledge receipt of this addendum by acknowledging on the proposal form with submission of the proposal.**

# TPS<sup>®</sup> COURT SURFACES

PRODUCT DATA & SPECIFICATIONS

SECTION

1.01

ACRYLIC COLOR SURFACING SYSTEM

## APPLICATION SPECIFICATIONS NEW ASPHALT SURFACES

### 1.0 DESCRIPTION

This specification covers the application of a textured wearing surface for TPS™ 5000 Tennis Courts on new or existing asphalt that have a well-drained base of adequate thickness and compaction. Surfaces should be properly sloped for positive drainage and free from cracks. The asphalt mix and thickness should meet the requirements of the American Sports Builders Association. Surface variations should not exceed 1/8 inch in ten feet and the surface sloped to 1 inch in 10 feet across one true plane.

### 2.0 Materials

- 2.1 TPS™ 5000 Rhino Patch Binder
- 2.2 TPS™ 5000 Acrylic Resurfacer
- 2.3 TPS™ 5000 Acrylic Color Coating
- 2.4 Line Tape Sealer
- 2.5 TPS™ 5000 White Line Paint

### 3.0 Coating Applications

**3.1 Surface Preparation-** The surface to be coated must be free from dust, debris, dirt and oily materials. Prior to the application of the surfacing materials, the entire court area should be flooded and checked for minor depressions and surface irregularities. Any areas holding water after one hour at 70 degrees and rising, in direct sunlight, that covers a US Nickel shall be marked and patched with Rhino Patch Binder using the following mix:

- 100 lbs. of 30-70 mesh dry Silica Sand
- 2-3 gallons of Rhino Patch Binder
- 1-2 gallons of dry Portland Cement

A tack coat of 1 part Rhino Patch Binder and 2 parts water shall be applied to the patch area and allowed to thoroughly dry prior to the application of Rhino Patch mix.

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## 4.0 Surface Preparation

In order to provide a smooth base for the TPS™ 5000 color surfacing system, one application of TPS™ Acrylic Resurfacer shall be applied to the asphalt to obtain a coverage rate of 15-20 gallons per square yard (.07-.05 gals.) The coat of Resurfacer shall be completely dry prior to the application of additional coats. TPS™ Acrylic Resurfacer shall be mixed as followed:

Acrylic Resurfacer- 50 gallons  
Silica Sand (30 mesh) 400-500 pounds  
Water- 15-20 gallons

## 5.0 TPS™ 5000 Color Coats

5.1 TPS™ 5000 Color is a heavy bodied, multi-purpose acrylic latex coating fortified with mineral fillers, fibers and high quality pigments for a long-lasting, attractive recreational surface. Fortified TPS™ 5000 shall be applied over the Acrylic Resurfacer in two applications. The first coat shall be thoroughly dry prior to the application of the succeeding coat. The first coat shall have a coverage rate of .07 gals. per sq. yard and the finish coat .05 gals. per sq. yard. The TPS™ 5000 Color Coats shall be mixed as follows:

TPS 5000 Acrylic Color- 50 gallons  
Silica Sand (30 mesh) 300- 400 lbs.  
Water- 15-20 gallons

TPS™ 5000 coatings can be adjusted with the addition of different gradations of silica sands to meet the customer's desired speed of play. The material shall be thoroughly mixed by means of a mechanical mixer. The finished surface shall have a uniform surface and be free from ridges.

## 6.0 Playing Lines

After the TPS™ 5000 Color Coats have dried, one application of Seal a Line masking tape sealer shall be applied by brush or roller to ensure razor sharp line edges. One application of Textured TPS™ 5000 White Line Paint shall be applied by brush or roller, 2 inches wide, accurately located, marked and painted in strict accordance with the USTA Specifications for doubles play.

## **7.0 Limitations**

Do not apply TPS™ 5000 Acrylic Coatings during rainfall or when rainfall is imminent. The air temperature must be 50 degrees and rising. Do not apply TPS™ 5000 when surface temperatures exceed 140 degrees F. Protect from freezing. TPS™ 5000 will not prevent cracks from occurring or reoccurring under any circumstances.

# TPS<sup>®</sup> COURT SURFACES

TPS<sup>®</sup> COATINGS ACRYLIC TENNIS COURT COLOR CHART

## STANDARD COLORS



Desert Tan



Brick Red



Cobalt Blue



Adobe



Forest Green



Silver Gray



Terracotta



Meadow Green

## PREMIUM COLORS



Turquoise



Maroon



Sky Blue



Deep Purple

# TPS<sup>®</sup> COURT SURFACES

## TPS<sup>®</sup> 5000 RHINOFILL

### **DESCRIPTION**

Rhinofill is a two component unit consisting of a synthetic rubber latex liquid which blends and stabilizes together with a dry component containing a dehydrating powder and curing chemicals. The combination is mixed and applied on the job resulting in a smooth monolithic underlayment to receive finishing materials.

### **SURFACING PREPARATION**

New asphalt pavements should cure a minimum of 14 days, and concrete should cure a minimum of 28 days prior to any coating application. When installing over concrete surfaces, the concrete should be installed without curing compound. New and old surfaces should be thoroughly cleaned to be free from oil, grease, dirt and other foreign matter.

### **MIX DESIGN**

Typical mix design is 1 quart liquid component to 10 lbs. of dry component. This ratio may be varied to obtain desired consistency.

### **APPLICATION**

Apply with a putty knife, trowel, squeegee or straight edge. Be sure to "feather the edges" to make a level surface. Rhinofill can be applied from 1" to feather edge. Cured material can be ground or sanded smooth.

### **CLEAN-UP**

Rinse tools with water soon after using.

### **SHELF LIFE**

Approximately 12 months.

### **PHYSICAL PROPERTIES**

Drying Time: Dependent upon depth of the patch and weather condition.

### **PRECAUTIONS & LIMITATIONS**

Keep from freezing. Harmful if swallowed. Read material safety data sheets. This product will not prevent pavement cracks from occurring or re-occurring. Do not apply if surface temperature is less than 50F or more than 140F. Do not apply over tar emulsion sealers. Apply only when ambient temperature is 50F and rising. Do not apply when rain is imminent.

### **SHIPPING WEIGHT**

5 gallon pail                      48 lbs.

Limited Warranty: This product is guaranteed to be of the kind and quality described in its specifications. All other warranties are specifically excluded and the manufacturer shall not be liable for any consequential damages. Under no circumstances shall the manufacturer's liability exceed the purchase price of any materials deemed to be defective under this warranty. Warranty will be voided on multi-coated applications if material made by other manufacturers that has not been approved by the manufacturer of TPS 5000 products, is used with this product.

# TPS<sup>®</sup> COURT SURFACES

## TPS<sup>®</sup> 5000 ACRYLIC SURFACER

### DESCRIPTION

TPS<sup>®</sup> 5000 Acrylic Surfacers is a heavy bodied acrylic latex binder fortified with mineral fillers and fibers. TPS 5000 Acrylic Surfacers is designed for field mixing with sand to provide superior filling and leveling characteristics. It is supplied in concentrated form and is diluted with water and sand prior to the application. The amount of sand may be adjusted for varying applications.

TPS 5000 Acrylic Surfacers can be used as a leveling material as well as a filler course. Its quick drying capability allows for multiple applications in one day.

### USES

TPS 5000 Acrylic Surfacers is recommended for use as a leveling and filler coat for asphalt and concrete pavement surfaces on new or existing tennis courts, playgrounds, and multi-purpose areas.

### SURFACING PREPARATION

New asphalt pavements should cure a minimum of 14 days prior to any coating application. New concrete surfaces should cure 28 days prior to any coating application. **When installing over concrete surfaces, the concrete should be installed without concrete curing compound.** New and old surfaces should be thoroughly cleaned to be free from oil, grease, dirt and other foreign matter.

### MIX DESIGN

The following mix is recommended for regular pavement conditions. More sand can be added if better filling is required.

TPS 5000 Acrylic Surfacers	53 gallons
Dry Silica Sand (30 to 80 mesh)	636-742 lbs.
Water	32-37 gallons

When ordering TPS 5000 Acrylic Surfacers, figure 7-14 square yards per gallon of concentrated material for each coat of textured acrylic surfacer, depending on porosity of substrate and filling required.

### APPLICATION

TPS 5000 Acrylic Surfacers is applied with a rubber squeegee. Care should be taken not to leave ridges. When the first application has dried, the second application shall be made at 90 degrees to the first application.

### CLEAN-UP

Rinse tools with water soon after using.

### SHELF LIFE

Approximately 12 months.

### PHYSICAL PROPERTIES

Weight/Gallon	8.9 per gallon
Drying Time	Touch: 1 hour Firm: 3 hours
Application Temperature:	50 degrees F & rising.

### PRECAUTIONS & LIMITATIONS

Keep from freezing. Harmful if swallowed. Read material safety data sheets. This product will not prevent pavement cracks from occurring or re-occurring. Do not apply if surface temperature is less than 50F or more than 140F. Do not apply over tar emulsion sealers. Apply only when ambient temperature is 50F and rising. Do not apply when rain is imminent.

### SHIPPING WEIGHT

53 gallon drum	512 lbs.
5 gallon pail	48 lbs.

Limited Warranty: This product is guaranteed to be of the kind and quality described in its specifications. All other warranties are specifically excluded and the manufacturer shall not be liable for any consequential damages. Under no circumstances shall the manufacturer's liability exceed the purchase price of any materials deemed to be defective under this warranty. Warranty will be voided on multi-coated applications if material made by other manufacturers that has not been approved by the manufacturer of TPS 5000 products, is used with this product.

# TPS<sup>®</sup> COURT SURFACES

## TPS<sup>®</sup> 5000 COLOR CONCENTRATE

### DESCRIPTION

TPS<sup>®</sup> 5000 Color is heavy bodied, multi-purpose acrylic latex coating fortified with mineral fillers, fibers and high quality pigments for a long-lasting, attractive recreational surface. TPS 5000 Color can be used for a “non-textured” as well as a textured coat containing sand. It is supplied in concentrated form and is diluted with water prior to application. TPS Color comes in twelve vibrant colors: desert tan, brick red, cobalt blue, adobe, forest green, silver grey, terracotta, meadow green, turquoise, maroon, sky blue, and deep purple.

### USES

TPS 5000 Color is used as a colored surface on asphalt and concrete pavements for new and existing tennis courts, playgrounds and multi-purpose areas. On-the-job mixing allows improved filling characteristics, simply by adding sand to the mixture.

### SURFACE PREPARATION

New asphalt pavements should cure a minimum of 14 days, and concrete should cure a minimum of 28 days prior to any coating application. When installing over concrete surfaces, the concrete should be installed without curing compound. New and old surfaces should be thoroughly cleaned to be free from oil, grease, dirt and other foreign matter.

### MIX DESIGN TEXTURED COAT

The following mix is recommended for regular pavement conditions. More sand can be added if better filling is required.

TPS 5000 Color	50 gallons
Dry Silica Sand (30 to 90 mesh)	300-400 lbs.
Water	25-30 gallons

When ordering TPS 5000 Asphalt Surfer, figure 14-20 square yards per gallon of concentrated material for each coat depending on sand mesh size and condition of substrate.

### MIX DESIGN – NON-TEXTURED

TPS 5000 Color should be mixed 2 parts concentrated material to 1 part water. When ordering TPS 5000 Color, figure 24-26 square yards per gallon of concentrated material for each non-textured coat.

### APPLICATION

TPS 5000 Color is applied with a rubber bladed squeegee. Care should be taken not to leave ridges.

### CLEAN-UP

Rinse tools with water soon after using.

### SHELF LIFE

Approximately 12 months.

### PHYSICAL PROPERTIES

Weight/Gallon	9.7 lbs. per gallon
Drying Time	30 to 60 minutes
Ready to Play	24 hours

### PRECAUTIONS & LIMITATIONS

Keep from freezing. Harmful if swallowed. Read material safety data sheets. This product will not prevent pavement cracks from occurring or re-occurring. Do not apply if surface temperature is less than 50F or more than 140F. Do not apply over tar emulsion sealers. Apply only when ambient temperature is 50F and rising. Do not apply when rain is imminent.

### SHIPPING WEIGHT

50 gallon drum	520 lbs.
5 gallon pail	54 lbs.

Limited Warranty: This product is guaranteed to be of the kind and quality described in its specifications. All other warranties are specifically excluded and the manufacturer shall not be liable for any consequential damages. Under no circumstances shall the manufacturer's liability exceed the purchase price of any materials deemed to be defective under this warranty. Warranty will be voided on multi-coated applications if material made by other manufacturers that has not been approved by the manufacturer of TPS 5000 products, is used with this product.



# TPS<sup>®</sup> COURT SURFACES

## TPS<sup>®</sup> 5000 LINE PAINT

### **DESCRIPTION**

TPS 5000 Line Paint is an acrylic paint specifically designed for use on acrylic coated surfaces, asphalt or concrete pavements.

### **USES**

TPS 5000 Line Paint is used for line markings on tennis courts, playgrounds and recreational areas. TPS 5000 Line Paint can be used for exterior or interior markings.

### **SURFACING PREPARATION**

Surfacing should be thoroughly cleaned and free from oil, grease, dirt and other foreign matter. New asphalt should cure for a minimum of 14 days and concrete should cure for a minimum of 28 days, if paint is applied over uncoated surface.

### **MIX DESIGN**

Use TPS 5000 Line Paint as is – do not dilute. When ordering TPS 5000 Line Paint, figure 1 gallon per tennis court or 500 lineal feet per gallon.

### **APPLICATION**

TPS 5000 Line Paint can be applied to properly cleaned, dry asphalt pavements or color-coated areas by brush or roller.

### **CLEAN-UP**

Rinse tools with water soon after using.

### **SHELF LIFE**

Approximately 12 months.

### **PHYSICAL PROPERTIES**

Weight/Gallon	11 lbs. per gallon
Drying Time	Touch: 30-60 minutes
Ready to Play:	24 Hours
Application Temperature:	50 degrees F & rising.

### **PRECAUTIONS & LIMITATIONS**

Keep from freezing. Harmful if swallowed. Read material safety data sheets. This product will not prevent pavement cracks from occurring or re-occurring. Do not apply if surface temperature is less than 50F or more than 140F. Do not apply over tar emulsion sealers. Apply only when ambient temperature is 50F and rising. Do not apply when rain is imminent.

### **SHIPPING WEIGHT**

1 gallon pail	12 lbs.
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