



## Surfacing and Resurfacing Specification for Roller Sports Surfaces

### **PART 1 – GENERAL**

#### **1.1 General Description**

- A. This specification is for a colored and textured acrylic roller sports surfacing system for use over asphalt and concrete substrates.
- B. This specification is for the surfacing/resurfacing of the roller sports surfaces located at \_\_\_\_\_  
City State Zip

#### **1.2 Quality Assurance**

- A. All work shall conform to American Sports Builders Association (ASBA) guidelines.
- B. All coatings, patching and resurfacing compounds shall be ACRYTECH by Stegas, Inc. of Austell, GA or approved equal.
- C. The contractor shall record the batch number of each product used on site and maintain it through the warranty period.

#### **1.3 Submittals** (see [www.tennispaint.com](http://www.tennispaint.com) for items A-C)

- A. Technical Data Sheets (TDS) for system components.
- B. Material Safety Data Sheets (MSDS) for system components
- C. Manufacturer’s warranty of no less than one year
- D. Installer Certification from the manufacturer

#### **1.4 Material Handling and Storage**

- A. Store and move materials in accordance with the manufacturer’s TDS and MSDS.

### **PART 2 – PRODUCTS**

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## **2.1 Manufacturer**

- A. Stegas, Inc., Austell, GA, Product: ACRYTECH, [www.tennispaint.com](http://www.tennispaint.com)
- B. Approved Equal: Submit documentation to demonstrate to the owner that alternate products are of equal quality to the specified product.

## **2.2 Materials**

- A. ACRYTECH Sport Patch (Deep Patch): A 100% acrylic latex emulsion, that when mixed with Portland cement and sand, produces semi flexible latex concrete that is ideal for patching depressions over 1/4" deep and filling cracks larger than 3/8" wide. ACRYTECH Sport Patch is appropriate for use when applied to asphalt or concrete surfaces, or to previously coated surfaces.
  - 1. Percent solids by weight: 47%
  - 2. Weight: 8.8 lbs/gal
- B. ACRYTECH Adhesion Promoter: A 100% acrylic latex emulsion, that when mixed 1:1 with water penetrates and primes concrete surfaces and is necessary for proper paint adhesion.
  - 1. Percent solids by weight: 55%
  - 2. Weight 8.85 lbs/gal
- C. ACRYTECH Acrylic Resurfacer: A 100% acrylic latex emulsion concentrate designed for the addition of water and silica sand on site for hiding patchwork, smoothing, and preparing for ACRYTECH RS. Apply 2 coats as according to section 3.5.
  - 1. Percent solids and pigments by weight: 45%
  - 2. Weight: 9.5 lbs/gal
- D. ACRYTECH RS (Roller Sports): A 100% acrylic latex emulsion concentrate designed for the addition of water and silica sand (texture) on site to be used as a secondary and final coating.
  - 1. Percent solids and pigments by weight: 47%
  - 2. Weight: 9.8 lbs/gal
- E. ACRYTECH Line Paint: A 100% acrylic latex emulsion non-textured line marking paint.
  - 1. Percent solids and pigments by weight: 55%
  - 2. Weight: 10.5 lbs/gal

## **PART 3 – EXECUTION**

### **3.1 Limitations**

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- A. DO NOT APPLY WHEN:
  - 1. Rain is in the near forecast.
  - 2. Surface temperatures exceed 54°C (130°F). Surface temperatures may be reduced by misting surface with water prior to application except on the final coat of ACRYTECH RS.
  - 3. When ambient air temperatures are below 10°C (50°F) or are expected to be below 40°F (4°C) within 48 hours of application.

### **3.2 New Construction (asphalt)**

- A. Allow asphalt to cure a minimum of 14 days.
- B. Inspect asphalt for irregularities, including contamination and unevenness. Findings, if any, shall be reported to general contractor.
- C. Remove any mold, mildew, algae, dirt, grease, oil and other debris from surface using issue-specific cleaners and rinse as needed.
- D. Flood surface with water to check for depressions 1/16" or greater. Fill with ACRYTECH Sport Patch (Deep Patch) as needed and allow to completely cure.

### **3.3 New Construction (concrete) – see ACRYTECH concrete prep TDS**

- A. For proper bonding, concrete should have a broom finish and a vapor barrier installed.
- B. Allow concrete to cure a minimum of 30 days.
- C. Inspect concrete for irregularities, including contamination and unevenness. Findings, if any, shall be reported to general contractor.
- D. Acid bath concrete using muriatic acid or similar concrete etching product. Follow manufacturers' recommendations. Pressure wash and rinse as needed.
- E. Flood surface with water to check for depressions 1/16" or greater. Fill with ACRYTECH Sport Patch (Deep Patch) as needed.
- F. Prime Concrete with ACRYTECH Adhesion Promoter.

### **3.4 Existing Textured Surface Conversion to ACRYTECH RS (asphalt or concrete substrate)**

- A. Pressure wash surface to remove mold, mildew, algae, dirt, grease, oil and other debris.
- B. Inspect surface for irregularities, including contamination and unevenness. Findings, if any, shall be reported to general contractor.
- C. Fill cracks with ACRYTECH Sport Patch (Deep Patch).
- D. Use other specified crack repair method if specified.

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**3.5 Old Roller Surface recoating (asphalt or concrete substrate)**

- A. Pressure wash surface to remove mold, mildew, algae, dirt, grease, oil and other debris.
- B. Sand or lightly grind previous RS surface to allow for proper adhesion of new paint. RINSE.
- C. Inspect surface for irregularities, including contamination and unevenness. Findings, if any, shall be reported to general contractor.
- D. Fill cracks with ACRYTECH Sport Patch (Deep Patch).
- E. Use other specified crack repair method if specified.

**3.6 Mixing Instructions - *No coatings shall be applied until inspector has approved the surface.***

- A. Acrylic Resurfacer
  - 1. 27.5 gallons Acrylic Resurfacer Concentrate
  - 2. 200 lbs #80 mesh silica sand
  - 3. 15-18 gallons clean water
- B. ACRYTECH RS
  - 1. Ready to Use. Stir to ensure uniformity.
  - 2. In high heat environments to slow drying, 1 part of water to 5 parts RS may be mixed.  
DO NOT OVERDILUTE

**3.7 Application - *No coatings shall be applied until inspector has approved the surface.***

- A. Method
  - 1. All Surfaces-apply with a 50 to 70 durometer rubber squeegee.
  - 2. Ambient air temperature must be at least 10°C (50°F) during application and drying process.
  - 3. If RS is drying too quickly due to high surface temperatures, misting the surface with water prior to application is an allowable and effective technique.
- B. Process
  - 1. Apply one to two coats of Acrylic Resurfacer (rougher surfaces may require two coats) – Allow a minimum of 2 hours dry time between coats and before applying ACRYTECH RS.
  - 2. Apply two coats of ACRYTECH RS – Allow a minimum of 4 hours dry time between coats.
  - 3. Allow final coat of ACRYTECH RS to cure a minimum of 72 hours before use.  
DO NOT OVERDILUTE

**3.8 Line Markings**

- A. Apply only after ACRYTECH RS is thoroughly dry, up to 24 hours after final coat.
- B. Lines shall be laid out in accordance with the American Sports Builders Association guidelines and/or \_\_\_\_\_.

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- C. Lines shall be applied by painting in between machine laid masking tape with a soft bristle brush or high quality roller.
- D. Apply one coat of ACRYTECH Line Paint. Depending on brush or roller quality, a second coat may be required.
  - 1. Up to 20 feet at a time if ambient air temperature exceeds 30°C (86°F).
  - 2. Up to 40 feet at a time if ambient air temperature is under 30°C (86°F).

### **3.9 Completion**

- A. Remove all construction equipment, leftover materials and waste from site.
- B. No traffic of any kind shall be allowed on the surface for a period of 72 hours. Cloudy conditions, rain showers or temperatures below 70 degrees may extend the required curing time. ACRYTECH Coatings are fully cured in 30 days.