

Advantage Specifications For Asphalt Tennis Courts

1.0 Description

This specification describes the application of a new Advantage Color surface for new or existing asphalt tennis courts. The court should be sound, properly sloped for drainage and free from excessive cracking. The system involves the repair of minor depressions and other defects before the application of Advantage Color.

The success of any color system is largely dependent on the condition of the surface on which it is applied. The court should have a slope of one inch every ten feet to provide proper drainage. Surface variation should not exceed 1/8 inch in 10 feet when measured in any direction with a straight edge. Consult American Sports Builders Association Specifications for complete information on pavement construction.

2.0 Materials

- 2.1 SS-1H Asphalt Emulsion
- 2.2 Advantage Patch Binder
- 2.3 Advantage Prime
- 2.4 Advantage Acrylic Fill
- 2.5 Advantage Asphalt Fill
- 2.6 Advantage Cushion Base (Optional)
- 2.7 Advantage Cushion Turf (Optional)
- 2.8 Advantage Color Concentrate
- 2.9 Advantage Line Sharp
- 2.10 Advantage Line Paint

3.0 Application

3.1 Surface Preparation

New asphalt pavements should cure a minimum of 14-21 days prior to any coating application. The surface should be thoroughly cleaned with compressed air and free from oil, grease, dirt and other foreign matter. Flood the surface with water and mark all depressions greater than the thickness of a nickel after one hour drainage.

3.2 Depressions

Fill marked depressions with patching mix of either Advantage Asphalt Fill, Advantage Acrylic Fill or Advantage Patch Binder. Deeper depressions may require additional applications. If using Advantage Asphalt Fill, scrub the area clean and tack with solution of one part SS-1H Asphalt Emulsion and five parts water. To fill the depressions, utilize the following formulation:

- 10 gallons Asphalt Fill
- 100-120 lbs. Silica Sand (40-70 mesh)
- 1/2 gallon fine Portland cement

If using Advantage Acrylic Fill, scrub the area clean and tack with Advantage Prime or a solution of one part Acrylic Fill and two parts water.

To fill the depression, utilize the following formulation:

- 10 gallons Acrylic Fill
- 140-240 lbs. Silica Sand (40-70 mesh)
- 1/2 gallon fine Portland cement

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If using Advantage Patch Binder, scrub the area clean and tack with Advantage Prime or a solution of one part Advantage Acrylic Fill and two parts water. To fill the depression, utilize the following formulation:

3 gallons Advantage Patch Binder
100 lbs. Silica Sand (40-70 mesh)
2 gallon fine Portland cement

3.3 Prime Coat

Apply coat of diluted SS-1H Asphalt Emulsion or Advantage Prime to especially dirty or oxidized asphalt surfaces. Dilute one part SS-1H Asphalt Emulsion with five parts of water and broom on the surface. Be sure to apply at least the first coat of resurfacer the same day you apply the SS-1H Asphalt Emulsion. Use Advantage Prime as is – do not dilute.

3.4 Leveling Coats

If Advantage Asphalt Fill is used, utilize the following formulation:

Advantage Asphalt Fill ... 55 gallons
Silica Sand (40-70 mesh) ... 330-440 lbs.
Water ... 18-20 gallons

If Advantage Acrylic Fill is used, utilize the following formulation:

Advantage Acrylic Fill ... 55 gallons
Silica Sand (40-70 mesh) ... 660-770 lbs.
Water ... 27-30 gallons

3.5 Cushion Coats (Optional)

An optimum cushion system consists of three applications of Advantage Cushion Base and two applications of Advantage Cushion Turf. An absolute minimum cushion system should consist of two applications of Advantage Cushion Base and one application of Advantage Cushion Turf.

3.6 Color Coats

Apply 2 coats of Advantage Color Concentrate with a coverage rate of 0.05 gallons per square yard for each coat utilizing the following formulation:

Advantage Color ... 55 gallons
Silica Sand (60-90 mesh) ... 330-440 lbs.
Water ... 27-30 gallons

Care should be taken not to leave ridges. Apply second coat only after the first coat has dried. A sand free top coat may be applied if desired for a faster playing surface.

3.7 Lines

Apply coat of Advantage Line Sharp between masking tape to prevent bleeding of line paint under the tape. Once dry, apply Advantage Line Paint for a crisp, clean line.

3.8 Weather Limitations

Do not apply any Advantage product if temperature is below 50° F or if freezing temperatures are anticipated that night. Do not apply on a wet surface or when rain is imminent. All Advantage products must be kept from freezing.

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