



## Alpen-Glow™

Metallic Floor Coating

### FOR PROFESSIONAL USE ONLY!

HP Spartacote® floor coating systems are required to be installed by licensed coating contractors only. Please read application instructions in their entirety prior to installation and contact HP Spartacote® with any questions before you begin any coating project.

Alpen-Glow™ is a 3-coat high performance metallic polyaspartic coating system which consists of a base pigmented black coat, a metallic coat and a final clear top-coat with optional traction additive.

### MATERIALS REQUIRED

- 1) Sparta-Flex® Pigment Base & Sparta-Flex® Pigment Pack (Black color)
- 2) Sparta-Flex® Clear
- 3) Alpen-Glow™ Metallic Pigment Pack
- 4) Sparta-Grip™ Traction Additive (optional)
- 5) Spartacote® Fast-Fix™ Crack Repair (optional)
- 6) Hydro-Shield™ Moisture Primer (optional)

### Coverage:

- 1) Pigmented Prime Coat: 330 ft<sup>2</sup>/gal.
- 2) Second Metallic Coat: 100 ft<sup>2</sup>/gal.
- 3) Clear Top-Coat: 330 ft<sup>2</sup>/gal.

### SURFACE PREPARATION

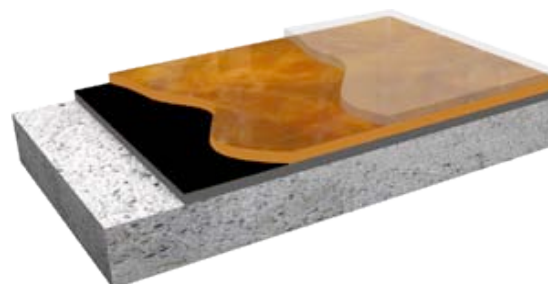
Concrete to be mechanically ground with metal bond diamonds to an ICRI CSP-2 profile (equivalent of 60-80 grit sandpaper). Grinder marks should not be visible as they may telegraph through the final surface. All cracks should be repaired prior to application with Spartacote® Fast-Fix™ concrete repair material.

### MOISTURE IN CONCRETE:

Moisture vapor transmission should be measured prior to installation and should not exceed 3 lbs/1000 ft<sup>2</sup> or 75% relative humidity. For higher moisture floors, a base primer coat of Hydro-Shield SL™ moisture primer should be installed prior to system application.

### CONTAMINATED CONCRETE:

Concrete slabs contaminated with oil and grease must be treated prior to application. Concrete may be treated with



professional strength degreasers or organic oil emulsification materials to properly mitigate contaminated areas.

### MIXING:

#### Pigmenting Coatings:

Disperse a 1-qt pigment pack (black) into Sparta-Flex® Part A Pigment Base (short-filled). Mix pigment into part A with a slow drill mixer for approximately 2 minutes until pigment is properly dispersed. Failure to do so will result in a potentially uneven finish.

#### Mixing Part A with Part B:

Do not mix until ready for immediate use. Elevated temperature and humidity levels will reduce product pot-life and working time. In a separate mixing vessel combine newly pigmented Part A with Part B in equal 1:1 amounts by volume for 1 minute with a wooden stir stick; making sure to scrape sides and bottom of bucket with the stir stick. Avoid creating a vortex, which will induce air.

### APPLICATION METHODS:

All methods require the use of 18" 3/8 nap soft woven roller covers, 6" weenie rollers and/or 3" chip brushes. All methods described below will incorporate a "cut-in" around the perimeter. The cut in should stay just ahead of the main floor application. Product should be dry to the touch in 1-2 hours following application. Material may be applied using one of the following techniques:

#### Dip & Roll:

The dip and roll technique will incorporate the use of an 18" roller and pan. After pouring your already mixed material into your roller pan, fully saturate the roller. Apply the material in one direction followed by a perpendicular back roll in the opposite direction. This method works well if your working in sections that stop at a control joint of saw cut. \*\*Tip: Apply



material in a uniform direction, avoiding a “W” pattern, which will increase the probability for an uneven finish.

### **Ribbon & Roll:**

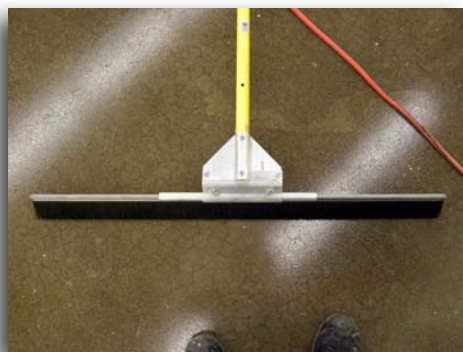
To ribbon and roll: pour the material out in a “ribbon” approximately 8-12” wide by the length of the area to be coated. While standing over the ribbon spread the material using an 18” roller working an area approximately eight feet wide (ribbon should be placed in the center of the area you are working) moving your way down the length of the ribbon while ensuring an even, uniform application of the material. The next ribbon should be placed in the center of the next 8’ section or four feet from the “wet edge” of your previous application and spread out 4’ in each direction overlapping into the first section. Once the first ribbon is rolled out a second person (on spikes) should immediately begin the finish back roll using a saturated 18” roller moving in the opposite direction of the initial application. The finish roll should start at the back wall and work its way across the entire section in 18” paths moving toward the individual(s) applying the material. Each pass should overlap the first by approximately 1”. Ideally the person completing the back roll should work at a pace even to that of the initial application, remaining careful to never catch up to the initial application, thereby causing the finish back-roll to stop. To re-iterate: the finish back-roll should always remain constant once it begins and never stop. This process should be continued across the floor creating an even “streak free” finish.

### **Sparta-Broom & Roll:**

For larger square footage installations, applicators may find it advantageous to incorporate the “sparta-broom”, which is also commonly known as an asphalt seal-coat broom. Pour a ribbon of material at the back wall or starting point, spread the material using the broom (exactly as you would with a notch squeegee and epoxy).

Once the broom is 8-10’ from the starting point begin a perpendicular back roll over that section followed by the finish back roll (as described above) in the same direction as the broom.

Additional ribbons of material should be poured into or added to the existing ribbon of material before it runs dry thus causing



the broom to stop. Be certain to always maintain the wet edge. Continue this process across the entire floor.

### **APPLICATION OF PRIMER COAT:**

Following surface preparation, be certain that the substrate is free of any excessive concrete dust, moisture or other contaminants. A coat of Sparta-Flex® pigmented black should be installed at a rate of 330 ft<sup>2</sup>/gallon using one of the application methods mentioned above.

### **APPLICATION OF SECOND COAT:**

Disperse Alpen-Glow™ metallic pigment into Sparta-Flex® Part A Clear, do not disperse into Part B. Mix in metallic pigment at a ratio of 1-8oz bottle of Alpen-Glow™ metallic pigment to 1-gallon of Sparta-Flex®. \*\*Note: a 2-gallon kit will require 2-8oz bottles. It is a good idea to allow for a minimum 30-minute set in time for the metallic pigments to fully disperse.

**MIXING:** In a separate mixing vessel combine newly pigmented Part A with Part B in equal 1:1 amounts by volume for about 1 minute with a wooden stir stick making sure to scrape the sides and the bottom of the bucket with the stir stick. Be careful not to create a vortex and induce air. Generously apply to floor at a rate of 100 ft<sup>2</sup>/gallon. Material should be spread around the floor with a tool such as a magic trowel, concrete broom, sparta-broom, roller or other tool in a manner that achieves the desired effect. While coating is still wet it may be spritzed with denatured alcohol, isopropyl alcohol or solvent to create additional effects. Product should be dry to the touch within 1-2 hours following application. Repeat second coat if desired.

### **APPLICATION OF TOP-COAT:**

Top coat will consist of a single coat of Sparta-Flex® clear applied at a rate of 330 ft<sup>2</sup>/gallon. Sparta-Flex® may be substituted with Sparta-Flex®XT™ performance top-coat at a rate of 200 ft<sup>2</sup>/gallon. Optional: Sparta-Grip™ traction additive may be used in the top coat to provide for increased texture and traction.

### **CURE / POST COMPLETION:**

The floor should be monitored for two hours to prevent foot traffic and should remain out of service for 24 hrs before returning the normal use.

### **MAINTENANCE AND CLEANING:**

Please visit [www.hpspartacote.com](http://www.hpspartacote.com) for comprehensive cleaning instructions. HP Spartacote polyaspartic floor coating systems are nonporous, causing dirt and contaminants to remain on the



## APPLICATION INSTRUCTIONS

[www.hpspartacote.com](http://www.hpspartacote.com)

Tel: 866-966-1329

surface. However, these contaminants can act as abrasives and if not removed regularly can mar the finish on the floor over time.

### **CLEANING AGENTS:**

Do not use actual soap as it may leave a film that attracts dirt while causing the floor to be slippery. A PH-neutral cleaner such as Simple Green™, diluted with water is recommended. Rayon mops are recommended for floors with traction additive. A soft bristle brush may be used to remove more difficult stains. Foam Squeegee may be used to remove excess water.

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