



## Sparta-Stain PURE™

O-VOC, Odor-Free Decorative Concrete Floor Coating System

### 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.

Sparta-Stain™ PURE™ is a unique decorative concrete application which utilizes Abstract Concrete Dyes™ from HP Spartacote along with a seal-coat of Aqua-Flex WB/FC™ clear and a top-coat of Sparta-Flex® PURE™ clear polyaspartic to achieve a highly artistic finish.

### MATERIALS REQUIRED

- 1) Abstract Concrete Dye™
- 2) Aqua-Flex WB/FC™
- 3) Sparta-Flex® PURE™ Clear
- 4) Sparta-Grip™ Traction Additive (optional)
- 5) Spartacote® Fast-Fix™ Crack Repair (optional)
- 6) Hydro-Shield™ Moisture Primer (optional)

### Coverage:

- 1) Abstract Concrete Dye™ : 400 ft<sup>2</sup>/bottle per color
- 2) Clear Seal-Coat: 400 ft<sup>2</sup>/gal.
- 3) Clear Top-Coat: 200 ft<sup>2</sup>/gal.

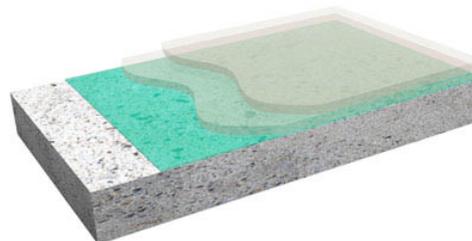
### SURFACE PREPARATION

Concrete to be mechanically ground with metal bond diamonds to an ICRI CSP-2 profile (equivalent of 80-100 grit sandpaper). Grinder marks should not be visible as they will telegraph through the final surface. All cracks should be repaired prior to application with Spartacote® Fast-Fix™ concrete repair material. Given the nature of the Sparta-Stain™ system, please note that repaired areas may be visible in the finished system.

### 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:

#### Dispersing Abstract Concrete Dyes™:

Abstract Concrete Dyes™ are sold as a concentrated dye liquid in a 5-oz bottle. The dye is available in larger quantities as required. 1 5-oz bottle should be dispersed into a gallon of either water or acetone. No set-in time is required.

#### 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 2 minutes with slow speed drill or paddle mixer, making sure to scrape sides and bottom of bucket. Avoid creating a vortex, which will induce air.

#### CONCRETE DYE APPLICATION METHODS:

Mixed abstract dye solution may be poured into a number of spray apparatus tools including pump sprayers, pneumatic sprayers and other decorative concrete tools for application. Dye should be sprayed into concrete in a varying manner depending on the requirements of the project and the desired finish. Multiple colors may be layered onto one another to achieve a modeled or petina-type finish. Never mix actual dye colors together prior to application.

#### COATING 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



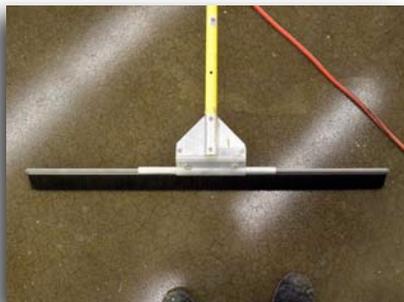
application. Product should be dry to the touch in 1-2 hours following application. Material may be applied using one of the following techniques:

### **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 CONCRETE DYE:**

Abstract Concrete Dye™ solution should be applied at a rate and in a manner required to achieve the desired final finish. General coverage rates are 400 ft<sup>2</sup> per gallon of mixed dye, but are largely dependent on the porosity of the concrete slab and intended color consistency. Multiple colors may be applied to achieve a variegated look similar to acid-stained concrete.

### **APPLICATION OF SEAL-COAT:**

The top coat will consist of a coat of Aqua-Flex WB/FC™ clear applied at a rate of 400 ft<sup>2</sup>/gallon using one of the methods mentioned above.

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

The top coat will consist of a coat of Sparta-Flex® PURE™ clear applied at a rate of 200 ft<sup>2</sup>/gallon. Sparta-Broom application is preferable, however any method mentioned above will work. Based on the final specification, the installer may elect to use Sparta-Flex® XT™ top-coat in lieu of Sparta-Flex® PURE™ for increased durability. 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 surface. However, these contaminants can act as abrasives and if not removed regularly can mar the finish on the floor over time.



## APPLICATION INSTRUCTIONS

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

Tel: 866-966-1329

### **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.

HP Spartacote, Inc  
866-966-1329  
[www.hpspartacote.com](http://www.hpspartacote.com)  
810 Brickyard Circle #1  
Golden, CO 80403