



**HP SPARTACOTE®**

Patented "High-Performance"  
Polyaspartic Coating Systems



## HP SPARTACOTE®

### High Performance Polyaspartic Coatings & Stains

- ▶ Rapid Return to Service
- ▶ Unrivalled Durability
- ▶ Outstanding Color & Gloss Retention
- ▶ Patented Coating Technology

# A Proven Track Record Spanning Thousands of Concrete & Steel Coating Applications Across the Globe.



## A Leader in Polyaspartic Coating Technology.

With over 100 years of combined manufacturing and application experience, HP Spartacote® is a global leader in the development of High Performance Polyaspartic Coatings & Stains.

Our products offer abrasion resistance and adhesion qualities that far surpass Epoxy & Urethane alternatives. They are UV stable and resistant to a broad range of industrial and commercial chemicals.

### **Provide Cost Savings**

HP Spartacote's® impermeable and anti-microbial surface makes floors easier to maintain. Incur lower application costs with faster cure times and reduced down-time.

### **Enhance Your Image**

100% UV clear top coats and UV stable pigmented coatings & stains provide for a rich long lasting finish that will not fade, yellow or peel.

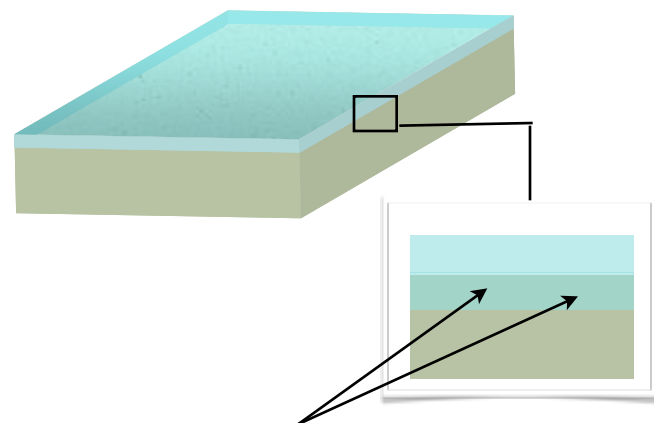
### **Help You Specify the Right Solution**

HP Spartacote® offers a variety of coating and stain options suitable for hundreds of applications. All delivered with the highest quality and world-class technical support.

## Adhesion is Paramount to our Performance.

HP Spartacote's® patented “One Fast Floor®” technology was designed to effectively absorb into the substrate in order to bond both chemically and mechanically within the pores of the material.

A fundamental component differentiating HP Spartacote® from other products, this technology allows for maximum adhesion surface area and is the cornerstone of our superior performance.



HP Spartacote® effectively absorbing into (“wetting”) the substrate.

# Suitable for any Application.



## Rapid Return to Service

Rapid cure times allow for walk-on and re-coat capability in just 1-2 hours with next-day full return to service.



## Chemical Resistance

Resistant to a wide range of commercial and industrial chemicals. Full resistance to Skydrol® and other highly corrosive fluids.

## All Climate Application

No limitations for minimum cure temperatures. HP Spartacote® can be effectively applied in temperatures as low as thirty degrees below zero.



## Gloss & Color Retention

100% UV Clear high-gloss top coats & UV stable pigmented coatings & stains offer superb aesthetic qualities that will not yellow, fade or peel.



## Traction

Our coatings & stains can be used effectively in higher traffic areas where traction is key. This is achieved in conjunction with a quartz or silica additive within the coating process

## Abrasion Resistance

Abrasion resistant qualities three times that of Epoxy & Urethane systems. Our coatings & stains are an ideal choice for areas withstanding the daily abuse of heavy-wheeled machinery & foot traffic.

# Performance Comparisons.

## Cured Floor Coatings Comparison

Epoxy vs. Polyurethane vs. HP Spartacote® Polyaspartic

Property	ASTM Method	2-Pack Epoxy	Aliphatic PUR	HP Spartacote®	HP Spartacote® Advantage
Abrasion Resistance	D-4060 (a) mg loss	83-105	60-65	22-28	Triple the Abrasion Resistance
Falling Sand Abrasion	D-968 (b) liters sand/mil	8-10(c)	25-30 (c)	30-38	Triple the Wear Resistance
Adhesion Pull-Off	D-4541, psi concrete failure, psi over steel	400 400-600	400 NR (d)	400 1,000	Twice the Adhesion to Steel
Tensile Strength	D-638, D-2370 psi	3,339-4,000	4,400-5,500	4,500 - 5,000	Equal
Impact Direct/Reverse	D-2794 inch pounds	40/20	80/40	160/160	40% - 50% Chip Reduction
Flexibility 1/8" Mandrel	D-522 Cracking	Fails	Passes	Passes	50% greater flexibility and Chip Reduction
Color-Gloss Retention - SSPC Paint Specification No. 36					
48 Months S. Florida	D-1014 meets	Level 1 Fails	Level 2	Level 3	Twice the Color and Gloss Retention
2,000 Hrs. Accelerated	D-4587 meets	Level 1 Fails	Level 2	Level 3	Twice the Color and Gloss Retention
Re-Coat Time or Walk-On Foot Traffic - Above 70°F, Below 80% Relative Humidity					
Minimum / Maximum Re-Coat Hrs.		3-4 / 48	5 / 36	1.48	2- Days
Minimum Foot Traffic-Hrs.		12-16	24	2	2-Days

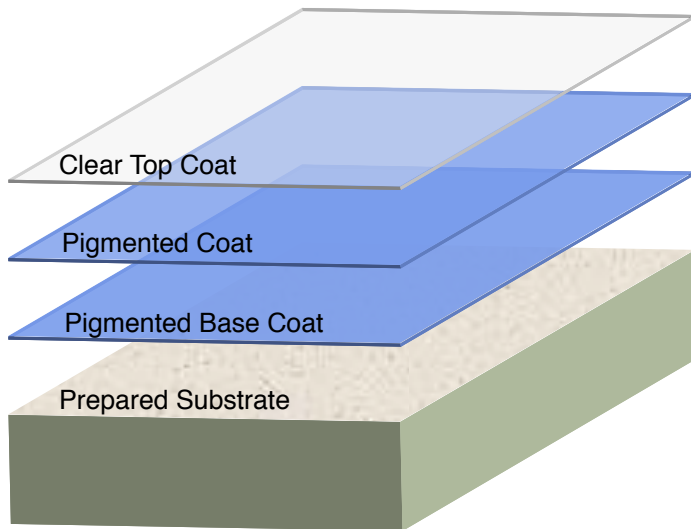
- (a) CS-17 Taber Abrasion Wheel, 1,000 gram load; 1,000 revolutions  
 (b) Liters of sand to erode 1 dry mil coating  
 (c) Average of generic coatings surveyed  
 (d) NR - Not Recommended





# The Highest-Quality Polyaspartic Coating Systems Delivering High-Performance Results.

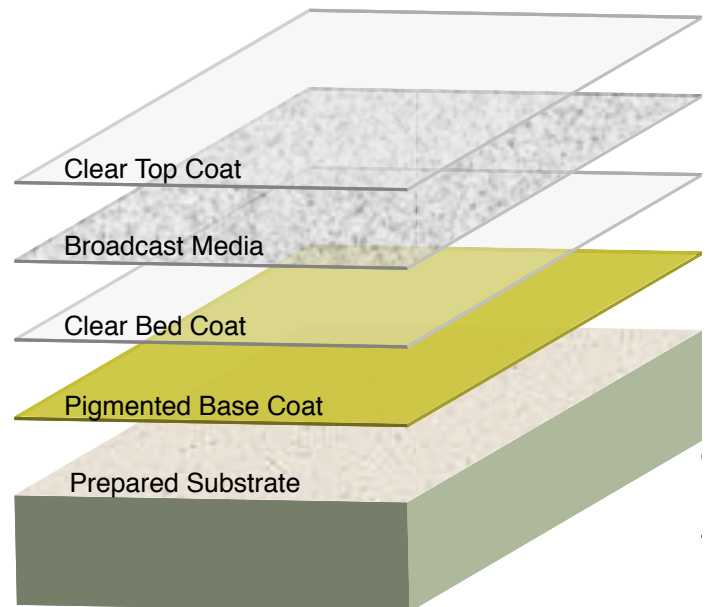
## *SpartaFlex® One Fast Floor* Solid Color System



- ▶ USDA & FDA Approved
- ▶ Fast one-day application with next-day return to service
- ▶ High Gloss, Satin or Matte top coat finishes
- ▶ 24 pigmented varieties
- ▶ Custom pigmented blends available
- ▶ Clear top coat can be used alone for sealer applications

**IDEAL FOR:** Industrial and Commercial facilities, Aviation Hangers, Warehousing & Distribution, Mechanical Shops, Utilities.

## *SpartaFlex® One Fast Floor* Full Broadcast Chip/Quartz System

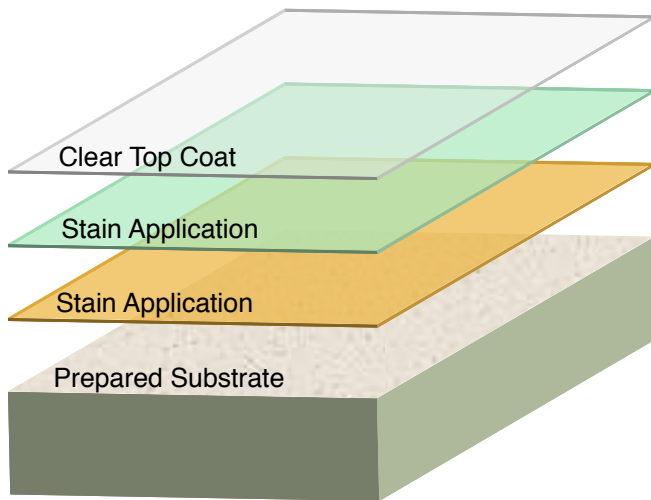


- ▶ USDA & FDA Approved
- ▶ Fast one-day application with next-day return to service
- ▶ Countless varieties of quartz and paint chip media blends
- ▶ Suitable for areas requiring increased traction
- ▶ Completely mask existing substrate aesthetic imperfections

**IDEAL FOR:** Commercial Kitchens, Residential Garages, Restrooms, Universities, Showrooms & Retail Spaces, Exterior Patios.

# Revolutionary Polyaspartic Translucent Stains and Steel Coating Systems for a Broad Range of Applications.

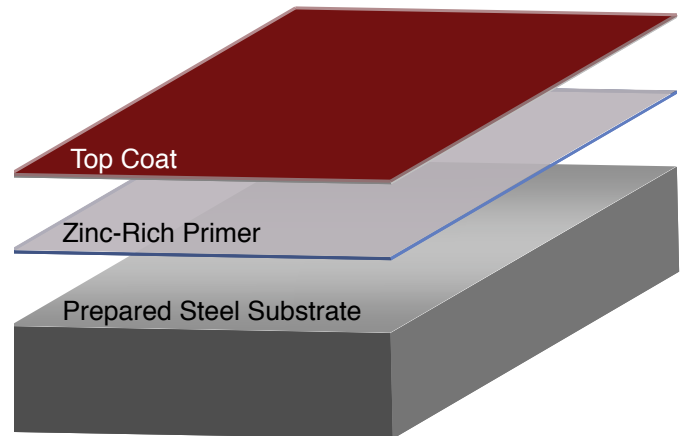
## **SpartaStain® One Fast Floor®** Layered Stain System



- ▶ USDA & FDA Approved
- ▶ Fast one-day application with next-day return to service
- ▶ High Gloss, Satin or Matte top coat finishes
- ▶ 12 Translucent Shades
- ▶ Layer Several colors for a customized finish
- ▶ Strength and durability of a Polyaspartic coating with the aesthetic appeal of a high quality translucent stain

**IDEAL FOR:** Restaurants, Retail Stores, Supermarkets, Car Dealerships, Decorative Patios, Shopping Malls.

## **SpartaFlex®** 2-Part Steel Coating System



- ▶ Fast-curing 2-part system allows for faster application than traditional 3-coat systems
- ▶ Utilize with proprietary **SpartaZinc™** Zinc Rich primer
- ▶ Outstanding corrosion protection against moisture & salt
- ▶ 24 separate pigmented varieties
- ▶ Next-day return to service

**IDEAL FOR:** External steel coating applications including sports stadiums, bridges, exposed steel architecture.

# HP Spartacote®

## ASTM International Certified Testing Results



ASTM International is one of the largest voluntary standards development organizations in the world-a trusted source for technical standards for materials, products, systems, and services. Known for their high technical quality and market relevancy, ASTM International standards have an important role in the information infrastructure that guides design, manufacturing and trade in the global economy. To learn more please visit [www.astm.org](http://www.astm.org)

### Property Profile and Abrasion Resistance Test Results:

Tensile Strength: ASTM D 638: 4,500 to 5,000 psi

Impact Resistance: Direct/Reverse 160/160

Falling Sand Abrasion Resistance ASTM D 968:

Clear.....30 liters sand/1 dry mil

Pigmented.....38 liters sand/1 dry mil

Mandrel Bend, ASTM D 522: Passes, no cracking, 1/8" mandrel bend

### Adhesion Tests:

The tests performed were conducted in accordance with ASTM D 3359-90 Standard Test Methods for Measuring Adhesion by Tape Test.

These tests were conducted on standardized steel panels, concrete panels, PVC plastic, plywood, and ceramic tile.

These panels were coated with Sparta-Flex coating system at one coat applied at 2-3 mils dry film thickness and two coats applied at 6.0-7.0 mils dry film thickness.

Panels were allowed to age for 7 days prior to testing.

These tests were conducted by two methods. Test Method A consisted of an X-Cut Tape Test. In this test, two cuts were made by a sharp razor blade that intercepted. The small angle of the interception was between 30 and 45°. Using a three inch piece of tape applied firmly to the middle of the cut, determination was made regarding the degree of adhesion by rapidly removing the tape and observing the amount of coating removed with the tape.

Test Method B consisted on a Cross-Cut Tape Test. In this test, 3/4 inch cuts are made perpendicular to each other. For the 2 mil coatings, 11 cuts are made in each direction. For the 6-7 mil coatings, 6 cuts are made in each direction. A three inch piece of tape was firmly applied to the cut areas and rapidly pulled off. Determination of the degree of adhesion is made by the amount of coating removed.

All tests conducted on the various substrates and at both thicknesses met the Classification 5B. Classification 5B means that there was no flaking and the total coating remained intact to the substrate.

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## ASTM International Certified Testing Results

### Chemical Resistance Tests:

The tests performed were conducted in accordance with ASTM D 1308-02 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes.

These tests were conducted on standardized steel panels at 75° F. and 50% Relative Humidity. The Sparta-Flex coating system was applied in two coats at 6.0-7.0 dry film thickness. Panels were allowed to age for 7 days prior to testing.

The tests consisted of placing the specified chemical directly on the panel, covering the chemical with a watch glass and allowing to remain on a horizontal panel for 24 hours prior to evaluation.

	Results	
	No Effect	Not Recommended
50% Sodium Hydroxide	X	
20% Ammonia	X	
Vinegar	X	
50% Ethyl Alcohol (Smirnoff 100 Proof)	X	
5% Trisodium Phosphate	X	
10% Sulfuric Acid	X	
10% Muriatic Acid	X	
5% Nitric Acid	X	
10% Ammonium Hydroxide	X	
Lysol	X	
Lighter Fluid	X	
Gasoline	X	
25% Citric Acid	X	
Spic and Span Cleaner	X	
Chlorinated Pool Water (pH 6.5)	X	
Methyl Ethyl Ketone		X
Skydrol B	X	
Brake Fluid	X	
Windex	X	
Krud Kutter	X	
409 All Purpose Cleaner	X	
Pine Oil Cleaner	X	
Commercial Paint Remover		X
Motor Oil	X	
Mustard	X	
Catsup	X	
A-1 Steak Sauce	X	
Liquid Ivory Soap	X	
25% Lactic Acid	X	
Red Wine	X	
Beer (Bud Light)	X	
Butter	X	



# HP Spartacote®

## ASTM International Certified Testing Results

	Results	
	No Effect	Not Recommended
Canola Oil	X	
20% Tannic Acid	X	
Coffee	X	
Tea	X	
Cocoa	X	
Pepsi Cola	X	
Pantene Shampoo	X	
Baby Oil	X	
Swine Urine	X	
Swine Feces	X	
Sewage Waste	X	
Distilled Water	X	
Keri Oil	X	
Magic Shave	X	
Infusium	X	
Jamician Dream	X	
Diesel Fuel	X	
Regular Paint Thinner (Aliphatic Hydrocarbon)	X	
Pickle Juice	X	
Colgate Toothpaste	X	
Tommy Aftershave	X	
Missoni Missoni Parfum	X	

HP Spartacote® is a global leader in the manufacturing and development of Polyaspartic Coatings & Stains.

We offer the most complete line of integrated High Performance products to assist you in creating a cleaner, longer lasting, and aesthetically appealing environment.

For assistance with specifying the correct solution, please call our technical experts at 866-966-1329



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