

PRODUCT OVERVIEW

OVERVIEW:

GripCrete 9000 PA is a high-solids polyaspartic developed for **direct to concrete** and primed concrete surfaces. This unique polyaspartic material has exceptional adhesion to marginally prepared surfaces because of unique viscosity and adhesion promoters. Its features epoxy type chemical resistance and tenacious adhesion while offering aliphatic polyurethane type protection to UV radiation. This new technology combines the work of three coatings; epoxy primer/ epoxy intermediate/polyurethane topcoat into one coat.

This polyaspartic formulation will also have the unique ability to be tinted in the field to enable fast turn projects with unlimited color options. GripCrete 9000 PA will provide a high gloss finish. The material is VOC compliant and offer extended working times (up to one hour in low humidity environments) which is a vast increase from traditional polyaspartic offerings.

WHY WE DEVELOPED IT

GripCrete 9000 PA was developed to offer an alternative to polyurea and traditional polyaspartic floor coating. These coatings offer less than desirable results as working times and adhesion to prepped concrete has left the applicator with few options for fast turn projects. This material has superior application characteristics over competitor products while still providing excellent UV protection, chemical resistance, and same day return-to-service times.

KEY FEATURES

- Smooth, gloss finish
- 75% solids, VOC compliant
- SSPC Level 3 Paint 36 UV resistance performance
- Long working time (40-45 minutes)
- Resists forklift traffic
- Superior chemical and hot tire resistance
- Compliant for USDA applications
- Versatile usage for color quartz, vinyl flake, and metallic pigment applications
- Super fast return to service (2-4 hours for foot traffic)

APPLICATION STRATEGIES

WHERE DO I APPLY?

GripCrete 9000 PA is perfect for flooring applicators and owners who desire for a material with color matching capabilities and excellent adhesion to bare concrete or other hard to coat surfaces. It is excellent for commercial facilities seeking a solution for a low VOC, quick return to service floor coating that can hold up to consistent abuse from pedestrian traffic and forklift wear and tear. Additionally, it can be used in most markets where a quick return to service (foot traffic) floor coating is desired.

Competitor pricing for similar polyaspartic floor coatings typically range between \$110 - \$300 per gallon in the US. Therefore, pricing on this product is very competitive and offers a great value compared with current polyaspartic floor coatings on the market. Combined with ease of application, adhesion to marginal prepared substrates, and fast return to service, GripCrete 9000 is a product you can stand on.

TARGET MARKETS

- Industrial Facilities: Manufacturing, Food & Beverage, Oil and Gas, Marine, Conventional Power Plants, Waste Water
- Commercial buildings: Warehouses, Garages, Churches, Schools, Commercial Building, Breweries, Restaurants

TYPICAL SYSTEM

PRIMER <i>(if required due to high MVT, or to help fill shot-blasted concrete profile, ect.)</i>	2ND COAT	3RD COAT
<i>(GripCrete 1760 5-8 mils) or NA</i>	<i>GripCrete 9000 PA (8-10 mils)</i>	<i>NA</i>
<i>AquaGrip 2600 (2 - 3 mils)</i>	<i>GripCrete 9000 PA (8-10 mils)</i>	<i>GripCrete 9000 PA (10 -15 mils)</i>
<i>EpoxyGrip 2078 (6-8 mils)</i>	<i>GripCrete 9000 PA (8-10 mils)</i>	<i>NA</i>

PRODUCT COMPARISON

COMPANY	US Coatings	Sherwin-Williams	Carboline
PRODUCT NAME	Gripcrete 9000 PA	4844 Pace-Cote	Sanitile 985 PA
HARDNESS (ASTM D2240)	Shore 70	Shore D 55-65	Shore D 45
WORKING TIME @ 70-75°F	40-60 minutes	35-90 minutes	30-45 minutes
COLORS SELECTION	Unlimited	Clear and Standard Colors	Pre-pigmented and Clear
TIME TO SERVICE (FOOT TRAFFIC)	2-4 hours	2-4 hours	4-5 hours
PRIMER	Not Required	Required	Required

PERFORMANCE DATA

TEST METHOD	RESULTS
TENSILE STRENGTH (ASTM D412)	5200 psi
ELONGATION (ASTM D412)	20-30%
WATER ABSORPTION	< 0.5 %
APPLICATION TEMPERATURE*	0°F - 130°F
FLEXIBILITY (1/8" MANDREL) (ASTM D1737)	Passes
TABER ABRASION CS17 WHEEL (ASTM D4060)	3 mg
VOLATILE ORGANIC COMPOUNDS	>90 g/l

CHEMICAL RESISTANCE			
CHEMICAL	RESULT (25° C)	CHEMICAL	RESULT (25° C)
ACETIC ACID (100%)	C	MURIATIC ACID (10%)	R
ACETONE	C	NACL (10%)	R
AMMONIUM HYDROXIDE (30%)	C	NITRIC ACID (50%)	NR
BENZENE	C	PHOSPHORIC ACID (10%)	R
BRINE-SATURATED	R	PHOSPHORIC ACID (50%)	NR
CHLORINATED WATER	R	POTASSIUM HYDROXIDE (10%)	R
CLOROX® (10%)	R	POTASSIUM HYDROXIDE (20%)	RC, DIS
DIESEL FUEL	R	PROPYLENE CARBONATE	RC
GASOLINE	R	SODIUM HYDROXIDE (50%)	C
GASOLINE / 5 % MTBE	RC	SODIUM HYPOCHLORITE (25%)	C
GASOLINE / 5 % METHANOL	RC	SODIUM BICARBONATE	R
HYDROCHLORIC ACID (35%)	RC	STEARIC ACID	C
HYDROCHLORIC ACID (50%)	NR	SUGAR / H2O SOLUTION	R
HYDRAULIC FLUID (OIL)	R	SULFURIC ACID (10%)	C
ISOPROPYL ALCOHOL	R	SULFURIC ACID (50%)	RC
LACTIC ACID	R	TOLUENE	R
MEK	RC	1,1,1-TRICHLOROETHANE	C
METHANOL	R	TRISODIUM PHOSPHATE	R
METHYLENE CHLORIDE	C	VINEGAR / WATER (5%)	R
MINERAL SPIRITS	RC	WATER	R
MOTOR OIL	R	XYLENE	R
MTBE	C		

R = RECOMMEND – LITTLE OR NO VISIBLE DAMAGE

RC = RECOMMENDED CONDITIONAL – SOME EFFECT, SWELLING OR DISCOLORATION

C = CONDITIONAL – CRACKLING, WASH DOWN WITHIN 1 HOUR OF SPILLAGE TO AVOID EFFECTS

NR = NOT RECOMMENDED

DIS = DISCOLORATION