




- Meets **LEED** requirements set forth in EQ Credit 4.2
- Approved in **MPI Categories 105 & 205** for anti-graffiti
- Listed on the SCAQMD **Super Compliant VOC Paint List**
- Field tested and approved by the **City of Los Angeles**

Last Updated: 03/05/12

ALIPHATIC POLYURETHANE TOP COAT

Zero VOC - Permanent - Multi Purpose - Water Based

PRODUCT DESCRIPTION

GCP 1000 is a permanent two part, water-based, zero VOC, aliphatic polyurethane coating designed for anti-graffiti and multi-purpose general maintenance applications. A *Green Leader* in both performance and safety.
**** Use the Gold Remover for graffiti removal.**

FEATURES & BENEFITS

- Zero VOC
- Solvent Free, Odorless
- Durable and Flexible
- LEED Qualified for EQ Credit 4.2
- Approved in MPI categories 105 and 205 for anti-graffiti coatings
- SCAQMD Super Compliant VOC Paint List
- FDA, USDA, Green Compliant
- Field tested/approved by City of Los Angeles
- Excellent Color and Gloss Retention
- Impact and Abrasion Resistant
- Graffiti Resistant
- Weather Resistant
- Chemical Resistant

INTENDED USES

- Schools, Universities
- Hospitals, Assisted Living
- Commercial, Retail
- Automotive, Processing, Manufacturing
- Concrete, Wood, Masonry, Metal, Structural Steel, Aluminum, Interior/Exterior Painted and Unpainted Surfaces
- Municipalities
- Hospitality
- Pharmaceutical

CHARACTERISTICS

Color/Finish: Clear satin or gloss. Custom colors available upon request. Custom colors may vary from batch to batch - manufacturer makes no guarantee as to exactness. Tinted material is only available in gloss finish.

(*) Clear Satin is recommended for surfaces where graffiti such as markers, ink, etc. are prevalent.

Reduction: Must be reduced with clean water. Slowly add 16-22 oz *per 1 unit kit* to reach desired viscosity.

Mil Thickness: 3-5 mils wet.

Application Method: Roll or Spray - airless or conventional. (*) *GCP 1000 cannot be sprayed in Florida - it must be rolled or brushed.*

Curing Mechanism: Evaporation/Infra-Red/Conventional Oven.

PACKAGING

All kits are pre-measured and shortfilled by weight. Kits yield the published coverage rates but may vary depending on application method and porosity of surface. Testing will establish coverage rates:

Kit Size	Activator	Base	Case Qty
Sm Repair	½ pint tin	Pint tin	6
Lg Repair	Pint tin	Quart tin	5
1 Unit	Quart tin	Gallon pail	3
4 Unit	Gallon tin	5 gal pail	n/a

This product is shipped as Class 55.

LIMITATIONS

- GCP 1000 is a non-immersible coating.
- GCP 1000 should not be applied in rain, high humidity or wind. Proper methods to protect over-spraying should be implemented.
- Heavier applications can result in ambering, microblistering, poor adhesion and inconsistent sheen.
- GCP 1000 applied to horizontal surfaces will become slippery when wet.
- Slight discoloring may occur when clear is applied to lighter colors.
- GCP 1000 is not a water repellent or sealer. Retaining or barrier surfaces for earth or flower beds or other such surfaces where moisture vapor transmission is a concern should first be properly sealed and waterproofed. A moisture and pH test must be conducted prior to application of product.
- Efflorescence can cause product failure in certain bricks if they are not properly cured or conditioned prior to applying GCP 1000.
- Clear satin should be tested prior to applying to wood.
- Product should be compliant with all local, state and federal regulations when applied to previously coated surfaces.

COVERAGE RATES

Spread rate is dependent on application method, substrate and anticipated level of use. The below figures are for estimation purposes only. Testing should be completed for accurate figures. Application loss factor is not covered due to surface profile, porosity, surface irregularities, application technique, spillage, film build or climatic conditions:

Surface	SqFt	Coats
Concrete	300	1-2
Brick	275	2
Wood	300	2
Metal, Steel	450	1-2
Tile	475	1

STORAGE

Store up to 12 months, unopened at 45°F to 75°F. The material will withstand storage temperatures up to 90°F, but avoid prolonged exposure to sunlight and heat.
KEEP FROM FREEZING.

TECHNICAL DATA

Resin Type: Aliphatic Polyurethane

% Solids by Weight / Volume:

Mixed: Clear - 60% (+/- 2%) / 58%
 Tinted - 66% (+/- 2%) / 64%

Pot Life: 1.5 to 2 hours

Dry Time: ASTM D1640

Temperature and Humidity Dependent:

50° F & 80% RH @ 3 mils wet:

To Touch: 6 hours
 Tack Free & Re-Coat: 8 hours
 Dry Hard: 24 hours

75° F & 50% RH @ 3 mils wet:

To Touch: 4 hours
 Tack Free & Re-Coat: 6 hours
 Dry Hard: 24 hours

Full Cure: 3-5 days mandatory

Dry Film / Coat: 2 mils

VOC: Zero

Flash Point: >350°F

pH: Activator = N/A Polyol = 9.5 mixed

Mixing Ratio: 50% = 2:1 by weight

Specific Gravity: 1.05

Weathering: Excellent

Gloss Retention: Excellent

Appearance and Gloss: ASTM D523

Gloss: 95 @ 60 degree angle

Satin: 25 @ 60 degree angle

Salt Spray: ASTM B117 = 500 hrs

Direct to metal: 1500 hrs. over primer

Field (Blister): 10 / Scribe: 7-10

Humidity: ASTM D2244 = 1500 hrs +

Abrasion: ASTM D4060 (taber) < 40mg

Hardness: ASTM D3363 = H to 2H

Adhesion: ASTM D2197 = > 6kg

ASTM D3359 = 5A

Flexibility: ASTM D4195 = Pass

Immersion: ASTM D1308

Elongation: ASTM D522 = >30%

Impact Resistance: ASTM D2794

Direct/Reverse = >160 in. lbs

Solvent Resistance: ASTM D4752

No mar 300 MEK double rubs

Surface Flammability: ASTM E162-02e

1.47 Average Radiant Panel Index

Water Vapor Transmission:

ASTM E96-93 = grains/hr-sqft - .028 permeability - .076

CONTACT INFORMATION

For current information, job specs, warranties, or other questions, contact Genesis Coatings, Inc. at (800) 533-4273.

CHEMICAL RESISTANCE

Ammonium Hydroxide, Xylene, Skydrol 500 A&B, Acetone, Cellosolve Acetate, Isopropyl Alcohol, Potassium Hydroxide, Perchloroethylene, Methyl Alcohol, Hyjet #3, Urine, Blood, Butyl Cellosolve, Ethyl Alcohol, Phosphoric Acid 35%, Sodium Chloride, MEK, Toluene