



HIGH PERFORMANCE VpCI™ COATINGS

CorShield® Gold



PRODUCT DESCRIPTION

CorShield® Gold is a brilliant true gold colored waterbased coating. It has excellent salt spray and humidity resistance similar to VpCI™ -386 Aluminum and is available in one package system. CorShield® Gold provides protection in harsh, outdoor, unsheltered applications. The complex mixture of non-toxic organic inhibitors and a platelet type gold pigment offers protection that can compete with zinc rich coatings. This special combination of additives, a platelet pigment, and a polymer barrier, significantly retards the reaction of metal ionization and repels water. It protects against corrosive electrolytes and aggressive environments, thus preventing corrosion.

CorShield® Gold provides a fast-drying thixotropic coating that is resistant to sagging, forming a tough, non-flammable, protective barrier. This dry-to-touch

film offers extended protection for sheltered or unsheltered, outdoor or indoor conditions. Thermally stable from -40°F to 400°F (-40°C to 204°C), the coating is ultraviolet resistant. It gives optimal outdoor performance without cracking or chipping upon prolonged exposure to sunlight.

CorShield® Gold has exceptionally good anti-abrasion qualities, making it easily adaptable for steel grating walkways and decks. The gold color is ideally suited for use on motorcycles, ATVs, sporting goods, lamp fixtures, and olympic events.

FEATURES

- Brilliant gold color
- Fast-drying
- UV resistant
- Optimal outdoor performance
- Excellent corrosion resistance
- Waterbased

APPLICATIONS

CorShield® Gold can be used as a single coat for most applications. For extreme exposures it can also be used as a topcoat with Cortec VpCI™ -374 or VpCI™ -395 as a primer.

Note: Make certain that the dew point is more than 5°F (2°C) less than air temperature for application and the temperature is at least 55°F (13°C) for best results in the field applications.

METALS PROTECTED

- Carbon steel
- Cast iron
- Aluminum
- Stainless steel
- Galvanized steel
- Copper



TYPICAL PROPERTIES

Appearance	Brilliant gold liquid
pH	9.0 to 9.6 (Neat)
Density	8.7 to 9.1 #/Gal. (1.04 to 1.09 Kg/l)
Non-volatile Content	37 to 40%
Dry Film Thickness	1.5 to 2.5 mils 37.5 to 62.5 microns
Dry to touch time	30 min at 75°F (24°C)
VOC	1.3 lb/gal (152 g/liter)
Viscosity	1400 to 3500 cps (6 rpm/#2 spindle)
Coverage at 2mils (50 microns)	320 ft ² /gal (7.9m ² /l)

PACKAGING AND STORAGE

CorShield® Gold is available in 5 gallon (19 liter) pails and 55 gallon (208 liter) drums, and liquid totes. Keep product from freezing. Mix before use.

TEST DATA (VpCI™ -386 FR Top Coat)

Test Method	SAE 1010 Carbon Steel	Aluminum
Salt spray (ASTM B-117)	300-500 hours*	1000+ hours
Humidity (ASTM D-1748)	1000+ hours	1000+ hours

*1.5 to 2.0 mils (37.5 to 50 microns)

Conventional Spray

Manufacturer	Gun Model	Tip/Aircap Combination
DeVibiss	MBC or JGA	704E
Binks	#18 or #62	66PE

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

Fluid hose should be 3/8" (0.95 cm) I.D. with a maximum length of 50 feet (15.2 m). Pot should always have dual regulation and be kept at some elevation as spray gun.

Airless

Manufacturer	Gun Model	Tip/Aircap Combination
Graco	205-591	Bulldog
Binks	Model 500	Mercury 5C
DeVibiss	Jgn-501	QFA-519

Hose should be 3/8" (0.95 cm) I.D. minimum, but a 1/4" (0.64 cm) I.D. ship end section may be used for ease of application. A maximum length of 100 feet (30.5 m) is suggested. Best results will be obtained using a 0.013"-0.017" (0.3-0.4 cm) tip at 1200-1700 psi (83-117 bar).

Note: Nylon or Teflon type packagings are available from pump manufacturer and are highly recommended. Similar equipment may be suitable.

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