







## 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 VpCl™-386 Aluminum and is available in one package system. CorShield® Gold provides protection in harsh, outdoor, unsheltered applications. The complex mixture of nontoxic 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 VpCl™-374 or VpCl™-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 рΗ 9.0 to 9.6 (Neat) 8.7 to 9.1 #/Gal. Density (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<sup>2</sup>/gal (7.9m<sup>2</sup>/l)

## **PACKAGING AND STORAGE**

CorShield®2 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

<sup>\*1.5</sup> 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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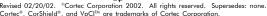
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