



## PRODUCT BULLETIN

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### ***ELDORADO DORADO KOTE #1***

***ELDORADO DORADO KOTE #1*** produces a gold conversion coat on aluminum, which provides outstanding corrosion protection for unpainted aluminum, and affords an excellent adhesion base for paint.

#### **PROPERTIES**

1. Odor: None
2. Color: Reddish-brown
3. Toxicity: Should be given the same consideration as chromic acid.
4. Appearance: Coarse powder
5. pH of Solution: 1.2 to 2.2
6. Approved by or conforms to: MIL-C-5541, MIL-C-81706

#### **USE**

##### Dip Application

1. Clean metal thoroughly with a good, noncorrosive, alkaline cleaner, such as **Eldorado ED-306LF**.
2. Rinse thoroughly with water.
3. Deoxidize with **Eldorado D-2** or **Eldorado D-1**.
4. Rinse thoroughly with water.
5. Immerse in ***Dorado Kote #1*** at a concentration of 1 to 2 1/2 ounces per gallon of water. Immersion time will vary from 30 seconds to 5 minutes, depending upon the aluminum alloy, solution concentration, and bath temperature. Bath temperature must be maintained in the range of 60° to 90°F. Tank should be constructed of plastic or stainless steel. Maintain a proper concentration.
6. Rinse in cold water.
7. Dry in dryer at a temperature not to exceed 135°F; or dip in warm water not to exceed 135°F and allow to dry; or blow water off the aluminum with oil free air until dry.





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#### Spray or Brush Application

1. Clean area to be Dorado Koted with **Eldorado ED-305L or Neutrakleen**, to provide a water, break-free surface.
2. Rinse thoroughly with water.
3. Deoxidize by applying **Eldorado AC-12 or Eldorado AC-5**.
4. Rinse thoroughly with water.
5. Apply **Dorado Kote #1** solution at 1½ to 3 ounces per gallon of water at room temperature with a nylon paintbrush, plastic sponge, or spray equipment. The solutions should be applied liberally until a color from golden to light brown is obtained.
6. Rinse with water and allow to dry. (Usually 8 hours, but do not exceed 48 hours before painting)

#### REMARKS

As with any good metal-finishing system, high-quality results can be assured only if the metal is properly cleaned. Proper cleaning procedures or special techniques for your specific requirements will be supplied upon request.

#### PRECAUTIONS

Since **Dorado Kote #1** contains hexavalent chromium, it may cause a fire if allowed to dry on combustible materials. If accidentally splashed on skin, it must be properly washed off with water. It is advisable to use protective clothing, such as face shields and rubber gloves. When spraying, respirators must be worn which can remove chromic acid mist. Consult MSDS for further precautions.

**Dorado Kote #1** is a hygroscopic powder, which must be protected from the atmosphere.

Some insoluble material will be noted in **Dorado Kote #1** solutions. This is normal and should not be filtered off.

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