



Technologies

# Alodine<sup>®</sup> 5700 – Q&A

*A non-chrome conversion coating for use on non-ferrous metal*

## Frequently Asked Questions and Answers

### **What is Alodine 5700?**

The ALODINE 5700 treatment is a chromium free conversion coating specifically formulated for treating non-ferrous alloys such as aluminum and its alloys, titanium and magnesium.

### **Why is a conversion coating needed?**

Conversion coatings optimize paint adhesion and stabilize metal surfaces against corrosion. Additionally, conversion coatings improved bonding performance and corrosion resistance of adhesives primers.

### **How is Alodine 5700 Used?**

Alodine 5700 is used as received. No dilution or pre-mixing is required. The Alodine 5700 should be sprayed onto precleaned surfaces using flood or spray methods. Normal contact times range from 1 to 5 minutes at a temperature of 70 to 100°F. It is important to not let the solution dry prior to rinsing. One coat is all that is required

### **Can the coating be visibly inspected?**

Alodine 5700 will leave a coating that is visible. Coatings range from an iridescent blue to a light yellow.

### **Is Alodine 5700 hazardous to use?**

Alodine 5700 is considered non-hazardous under 29 CFR 1910.1200 (Hazard communication). Henkel does recommend wearing proper protective equipment during use (please see MSDS for details).

### **How is Alodine 5700 best disposed?**

Although non-hazardous, Henkel recommends disposal in accordance with local, state federal and provincial regulations.

### **What pretreatment is recommended prior to use in repainting aircraft?**

After paint stripping, Henkel Technologies recommends cleaning the aircraft with a good exterior wash product such as Aerowash or Turco 5848 DPM, followed by an acidic conditioning step using Turco Metal Glo #6 or Alumiprep 33. Always rinse properly and thoroughly after cleaning and conditioning.

Henkel Technologies, 32100 Stephenson Hwy, Madison Heights Michigan 48071. Phone: 800.521.6895

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### **Frequently Asked Questions and Answers (2 of 2)**

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#### **How soon or how long after application can paint be applied?**

Alodine 5700 coatings may be painted once thoroughly dry. Additionally, depending upon the cleanliness of the environment, Alodine 5700 coated articles remain acceptable for paint indefinitely.

#### **Does Alodine 5700 have any Military approvals?**

The Alodine 5700 (and 5200) has TACOM approval for land-based vehicles. Henkel is currently pursuing approvals with the US Air Force. Alodine 5700 will not meet the bare salt spray requirements Mil-DTL-81706A, (for use in applications meeting Mil-C-5541 Rev E) and hence is not listed on the QPL-81706-16.

#### **Does Alodine 5700 have any commercial approvals?**

Boeing Corporation will approve the use of Alodine 5700 on their commercial aircraft. It is recommended that any facility that wishes to use this technology contact their local Boeing Tech Rep to initiate the approval process. Henkel Technologies is also working with other manufacturers regarding approvals, including Airbus, Vought, Bombardier, NGC, Cessna, Lockheed Martin to name a few

#### **Is Alodine 5700 currently being used in commercial application?**

Yes, currently a major US commercial airline is using Alodine 5700 in all repaint applications.

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