



## Tech Data Sheet

DX501, DX503  
Aluminum Conditioner



### Description

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DX503 is a chromic acid based chemical that will produce a chrome conversion coating on aluminum and its alloys. The coating formed by DX503 is gold to tan and becomes a part of the aluminum surface. DX503 is medium orange in color and may darken over time.

DX501 is the clear version of DX503. The coating formed by DX501 is clear in color. It is used when it is desirable to retain the silver white aluminum finish, either unpainted or with a clear finish over the chemical coating. DX501 is light orange in color.



### Components

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- DX501 Clear Aluminum Conditioner
- DX503 Gold Aluminum Conditioner



### Mixing Ratio

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DX503 should be applied straight from the container.  
DX501 is mixed 1:1 with cold water before application.



### Suitable Substrates

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- Aluminum
- Brass
- Copper
- Aluminum to be clearcoated



### Application

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On Aluminum:

For a painted finish, apply DX503 straight from the container. Allow to react 1-3 minutes until a golden or tan color appears. Rinse well with water and dry. Prime with the SF10/SF320 Epoxy Primer the same day.

On Brass, Copper, and Aluminum to be clearcoated:  
For clear finish, apply DX501 mixed 1:1 with cold water and allow to react 1-3 minutes, then rinse well and dry.



### **Physical Data**

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Density (lbs/gal, unreduced): 8.42 (US)  
Vapor Density: Heavier than Air  
Percent Solids: 2.06  
Boiling Point: 212° F  
Evaporation Rate: 36



### **Safety**

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Before using any Superflite product be sure to read all MSDS, application instructions, and warnings. Always wear a properly fitted air purifying respirator with organic cartridges and a particulate filter or a fresh air supplied respirator (depending on product selection), eye protection, gloves, and protective clothing while exposed to any chemical.



### **Warning Statement**

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This product is intended for use by trained professionals only. Use as directed. The data presented herein was determined under our controlled conditions. Since environmental conditions play a large role in performance, variations in the data presented herein may be observed as environmental conditions change. This document does not constitute a warranty or guarantee of any kind. Use at your own risk.