



Technologies

Alodine[®] Conversion Coatings

Conversion coatings for use on non-ferrous metal

PRODUCT CHARACTERISTIC COMPARISON

Characteristic	<u>Alodine 1200S</u>	<u>Alodine T 5900</u>	<u>Alodine 5700</u>
Product Description	Standard chrome oxide conversion coating.	Trivalent Chrome oxide conversion coating.	Organo-metallic conversion coating.
Primary Function	Bare corrosion protection. Adhesion promoter.	Bare corrosion protection. Adhesion promoter.	Adhesion promoter. Increases corrosion resistance of most paints.
Chemistry	Acidic hexavalent containing chrome conversion coating.	Acidic trivalent chrome conversion coating (does not contain hex-chrome).	Acidic conversion coating containing no regulated heavy metals or phosphates.
Application Methods	Immersion, confined spray, brush (all applications use rinsing).	Immersion, confined spray, brush (all applications use rinsing).	Immersion, confined spray, wipe (production applications use rinsing, special applications use dry-in place).
Metals Treated	Aluminum (wrought, extruded, cast), titanium.	Aluminum (wrought, extruded, cast), titanium.	Aluminum (wrought, extruded, cast) titanium, stainless steel, steel, Inconel, magnesium.
Pretreatment Requirements	"Chemically clean" surface. Deoxidation is metal dependant.	"Chemically clean" surface. Deoxidation is metal dependant.	"Chemically clean" surface. Deoxidation is metal dependant.
Temperature Stability	Bare < 140°F Paint < 400°F Adhesion < 400°F	Bare < 300°F Paint < 400°F Adhesion < 400°F	Bare < 425°F Paint < 500°F Adhesion < 500°F
Paint Compatibility	All types. All systems.	All types. All systems.	All types. All systems.

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