Protecting structural integrity and appearance is a big job that starts with the right pre-treatment. While traditional processes — such as acid anodizing and conversion coating — may provide acceptable surfaces, they can also produce significant amounts of hazardous waste. Now, 3M offers an innovative alternative for modern bonding and coating systems.

- Work faster with fewer steps — simply apply and dry
- Water-based and non-chromate
- Reduce water usage — no rinsing required
- Designed to help users minimize impact on the environment

3M™ Surface Pre-Treatment AC-130-2 (bonding pre-treatment) and AC-131 (painting pre-treatment)

Powerful prep starts at the surface.
Promote strong bonds and coatings.

PRE-TREATMENT FOR ADHESIVE BONDING: 3M™ Surface Pre-Treatment AC-130-2

High-performance, water-based, non-chromate surface preparation for adhesive bonding of aluminum alloys, steel and titanium. It’s faster and easier to apply so you can stress less and fly more.

- Saves time — faster than other processes
- Two-part system can be applied by multiple methods and during field repairs
- No heat cure or rinsing required

1. Clean and deox alloy surface
2. Mix 3M™ AC-130-2 Sol-Gel Kit (Induction time: 30 min.)
3. Brush/spray apply 3M™ AC-130-2 (Dry time: 60 min.)
4. Brush/spray apply adhesive primer
5. Pre-cure or co-cure with adhesive

PAINT PREPARATION SYSTEM: 3M™ Surface Pre-Treatment AC-131

High-performance, water-based, non-chromate paint pre-treatment for use on aluminum, stainless steel and titanium. It’s designed for surfaces finished with epoxy-based or polyurethane-based coatings.

- Saves time over conventional conversion coating applications
- Reduces water use — no rinsing required
- Proven to significantly reduce rivet rash
- Compliant with SCAQMD Rule 1124*
- Available in clear (CB) and blue (BB)
- Qualified to work with paint systems from multiple vendors

1. Strip aircraft
2. Clean aircraft to water-break-free surface
3. Apply 3M™ AC-131 (Dry time: 15 min. minimum)
4. Prime and paint

Product Use: Many factors beyond 3M’s control and uniquely within user’s knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user’s method of application.

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*As of February 2016

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