3M™ Surface Pre-treatment AC-130

Description

3M™ Surface Pre-treatment AC-130 is a high-performance sol-gel surface preparation for adhesive bonding of aluminum alloys, steel, titanium and composites. 3M AC-130 promotes enhanced adhesion as a result of the chemical interaction at the interfaces between the metal, the AC-130 and the primer.

Product Benefits

- Enables all metallic substances to be prepared with a single method.
- Reduces hazardous materials from the bonding surface preparation process.
  - Environmentally alternative to Acid Paste.
  - Etches, Grit Blast Silane and Phosphoric Acid anodizing. (PACS)
- Available in 4-part (AC-130) and 2-part (AC-130-2) configurations.
- Provides a variety of applications methods to suit your needs: brush, spray, dip or wipe.
- Available in kit sizes for specific applications; 50ml, 100ml, 500ml and 1 liter.
- Ambient-temperature curing makes field repairs possible.
- Process time savings over Grit Blast Silane, PACS and PANTA.
- Reduction in process flow time yields a minimum of a 35% reduction in labor–time.
Surface Treatment Comparison

Aluminum Bonding 2024-T3
Wedge Crack Exposure Data

Titanium Bonding Ti-6Al-4V
Wedge Crack Exposure Data

Steel Bonding AM355 Stainless
Comparison of wedge crack extension

Note: Bonded with BR® 6747-1 primer and FM94® adhesive
Note: HP 4-121 is a ferric chloride (FCHAE) etch process

3M Stock Numbers & National Stock Numbers

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