



**BONDERITE®**

# HENKEL READY-TO-USE SURFACE TREATMENTS FOR THE AEROSPACE INDUSTRY

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Henkel Adhesive Technologies












**BONDERITE® ready-to-use conversion coatings and surface treatments** range from pen-sized applicators for touch-ups to bulk packaging for full-scale processing. Choose BONDERITE brand products, and be ready for any aerospace manufacturing or maintenance need.



**BENEFITS INCLUDE:**

- Available in multiple packaging configurations for optimal surface application
- Convenient ready-to-use form
- Improved process efficiency
- Reduced waste and operator error
- REACH compliant and Mil-Spec approved products available
- Prevent corrosion
- Improve adhesion

Product Name	Substrate	Application		Characteristics			Operation		Approvals	Description	Environmental Advantages
		Metal Pretreatment	Aircraft Depaint & Repaint	Chemistry	Form	Package Type	Temperature	Time			
TOUCH-N-PREP® COATINGS PENS - Non-rinse, dry-in-place coatings for the repair of bare aluminum substrates to prevent corrosion											
BONDERITE® M-CR 871 AERO	Aluminum	•		Tri-Chrome	Liquid	Pen Applicator	Ambient	Until Dry	Conforms to MIL-DTL-81706 Type 2 Class 1A and 3 and meets other major OEM qualifications	BONDERITE® M-CR 871 AERO Touch-N-Prep® Coating is a tri-chrome dry-in-place conversion coating designed for use on aluminum and its alloys. The applicator used to deliver this product provides an easy and safer method of repairing bare areas of aluminum surfaces. Its proper use reduces worker contact to chemical solutions and decreases wastewater, such as rinse water generated from a conversion coating process.	
BONDERITE® M-CR 1132 AERO	Aluminum	•		Hex-Chrome					Conforms to MIL-DTL-81706 Type 1 Class 1A and 3 and meets other major OEM qualifications	BONDERITE® M-CR 1132 AERO Touch-N-Prep® Coating is designed to save labor, material, and time when applying a dry-in-place hex-chrome conversion coating for touch-up applications. Its proper use also reduces worker contact to chromated solutions and decreases wastewater, such as rinse water generated from a chromating process.	
BONDERITE® M-CR 1132 M AERO	Aluminum	•		Hex-Chrome					Conforms to MIL-DTL-81706 Type 1 Class 1A and 3 and meets other major OEM qualifications	BONDERITE® M-CR 1132 M AERO Pen is a miniature version of the BONDERITE® M-CR 1132 AERO Touch-N-Prep® AERO pen. This smaller format is ideal for coating the inside of fastener holes and harder to reach areas. Only available in North America.	
WIPES - Convenient chrome-free, pre-saturated, conversion coating											
BONDERITE® M-NT 5700 AERO	Aluminum	•		Chrome-free	Liquid	Wipe Applicator	Ambient	1-5 minutes		BONDERITE® M-NT 5700 AERO treatment is a chromium free conversion coating specifically formulated for treating aluminum and its alloys. This product is formulated as a ready-to-use material. The process provides an excellent base for organic finishes.	
READY-TO-USE COATINGS FOR LIGHT METALS - Available in various ready-to-use packaging configurations, these surface treatments are designed to treat and prevent corrosion on light metal substrates such as aluminum and magnesium.											
BONDERITE® M-CR 600 RTU AERO	Aluminum	•		Hex-Chrome	Liquid	Kit and various	70 – 100 °F 21 – 38 °C"	1-5 minutes	Conforms to MIL-DTL-81706 Type 1 Class 1A and 3	BONDERITE® M-CR 600RTU AERO is a ready-to-use liquid product which produces a chromate conversion coating on aluminum and its alloys. The coating provides excellent protection for unpainted aluminum and bonds paint well.	
BONDERITE® M-NT 8800 AERO	Aluminum	•		Chrome-free, organic	Liquid	Kit	Ambient	1-5 minutes	Meets major OEM qualification	BONDERITE® M-NT 8800 AERO is a solgel coating replacement specifi cally formulated for increasing adhesion to aluminum and titanium alloys. This product is suitable for spray, brush, and wipe on applications. The coating produced provides an excellent base for organic finishes and surface preparation for adhesive bonding. It should not be rinsed after application.	
BONDERITE® M-CR MAGNESIUM AERO	Magnesium	•		Hex-Chrome	Liquid	Kit	Ambient	Until Dry	Conforms to SAE AMS-M-3171, Type VI NAVAIR 01-1A-509	BONDERITE® M-CR MAGNESIUM AERO contains products formulated for treating magnesium alloys to produce a chromate conversion coating conforming to SAE AMS-M-3171, Type VI. The application method conforms to requirements in NAVAIR 01-1A-509 and is meant primarily for touch-up and corrosion repair processes of magnesium alloys, and also is an adhesion promoter.	
BONDERITE® M-CR T5900 RTU AERO	Aluminum, Magnesium and Titanium	•		Tri-Chrome	Liquid	Various	70 – 100 °F 21 – 38 °C	1.5 - 3 minutes	Conforms to MIL-DTL-81706 Type 2 Class 1A and 3	BONDERITE® M-CR T5900 RTU AERO is a complex trivalent chromium conversion coating formulated for treating aluminum and its alloys, metals coated with IVD aluminum, magnesium, titanium and zinc surfaces. This product is formulated as a ready-to-use material for manual spray, brush and immersion applications. It provides corrosion resistance and also serves as an excellent base for organic finishes and adhesives.	
BONDERITE® M-CR 120 BRUSH AERO	Aluminum	•		Hex-Chrome	Liquid	Kit	Ambient	1-5 minutes		BONDERITE® M-CR 120 BRUSH AERO contains the conversion coating BONDERITE M-CR 1201 AERO and the deoxidizer BONDERITE C-IC 605 AERO. These are products formulated for treating aluminum. This kit contains sufficient chemicals for cleaning and coating approximately 100 ft² of aluminum surface when used under normal conditions.	
LIQUID CLEANERS - Formulated to effectively clean painted and unpainted aircraft exterior and interior surfaces											
BONDERITE® C-AK 5948 DPM THK AERO	Aluminum, magnesium, stainless steel, titanium, ferrous, non-ferrous	•		Alkaline	Liquid	Various	149-176 °F 65 – 80 °C	5 - 15 minutes		BONDERITE® C-AK 5948 DPM THK AERO is a blue, viscous, alkaline, water base, concentrated compound formulated to effectively cling to painted and unpainted aircraft exterior and interior surfaces. It is ideally suited for use on all jets, especially in baggage bins, flap and wheel well areas, and on engines before overhaul.	
BONDERITE® C-AK DW 805 AERO	Aluminum, Magnesium, Mild Steel, Stainless Steel, Titanium, Ferrous, Non-Ferrous	•		Neutral	Ready-to-Use	Drum, Pail	Ambient	Varies as needed	Conforms to BSS7432, AIMS09-00-002, AMS 1650C and AMS1526C	BONDERITE® C-AK DW 805 AERO is a ready-to-use product that requires no additional water rinsing. It can be applied by spray or damp cloth, it cleans gently and leaves a protected, high gloss surfaces. Protect and maintain surfaces in one application, while leaving a high-gloss surface shine. Long-term protection against harsh environments such as corrosion, UV-rays and oxidation.	
PAINT STRIPPERS - Henkel's BONDERITE® depaint technologies are NESHAP compliant, thixotropic products – solvent, hydrogen peroxide and water-based. They are easy to apply as they cling to vertical surfaces. Furthermore it eliminates surface contamination from mechanical removal methods.											
BONDERITE® S-ST 5351 AERO	Aluminum, magnesium, stainless steel, titanium, ferrous, non-ferrous		•	Neutral, Methylene Chloride-Based	Liquid	Various	Ambient	Varies as needed	Conforms to MIL-R-81294	BONDERITE® S-ST 5351 AERO is a yellow, viscous paint remover developed to remove epoxy, polyurethane and similar coatings from metal surfaces at ambient temperatures. It clings to vertical and overhead surfaces and forms a surface film that helps retard evaporation and extend the working life of the stripper. It should not be used on materials that are affected by chlorinated hydrocarbons.	
BONDERITE® S-ST 5351 THIN AERO	Aluminum, magnesium, stainless steel, titanium, ferrous, non-ferrous		•	Neutral, Methylene Chloride-Based	Liquid	Various	Ambient	Varies as needed		BONDERITE® S-ST 5351 THIN AERO is an amber, diphas liquid developed to remove epoxy, polyurethane and other catalyzed finishes from ferrous and nonferrous surfaces. It does not contain free acidic or alkaline constituents and is approved for use on high strength steels. It should not be used on materials that are affected by chlorinated hydrocarbons.	
BONDERITE® S-ST 6776 LO AERO	Aluminum, staninless steel		•	Acidic	Liquid	Various	Ambient	Varies as needed	Meets major OEM qualifications	BONDERITE® S-ST 6776 LO AERO environmentally advantaged paint remover is low-odor, thixotropic, developed for effective stripping of resistant finishes such as epoxies, epoxy primers, polyurethanes and similar catalyzed paints. It offers a significant advance in work place safety. It does not contain methylene chloride, chlorinated solvents, phenols, chromates, ammonia or amines.	
BONDERITE® S-ST 6930 AERO	Aluminum, stainless steel, titanium, ferrous, non-ferrous		•	Peroxide-Activated, Water-Based	Liquid	Various	Ambient	Varies as needed	Meets major OEM qualifications	BONDERITE® S-ST 6930 AERO environmentally advantaged paint remover is low low odor, thixotropic, activated by hydrogen peroxide. It was developed for effective stripping of such resistant finishes as epoxies, epoxy primers, polyurethanes, and similar catalyzed aircraft paints. It offers a significant advance in paint stripper technology. It complies fully with NESHAP. It meets the corrosivity requirements of TT-R 2918A. It is not recommended for use on magnesium.	
BONDERITE® S-ST 1270-5 AERO	Aluminum and composites		•	Alkaline	Liquid	Various	Ambient	Varies as needed	Meets major OEM qualification	BONDERITE® S-ST 1270-5 AERO is a viscous white emulsion that does not contain any of the hazardous or highly toxic components of conventional paint removers. It is free of aromatic hydrocarbons, chlorinated solvents, phenol and chromates. It is particularly effective in selective removal of topcoats from painted composites.	
BONDERITE® S-ST 1270-6 AERO	Aluminum and composites		•	Alkaline	Liquid	Various	Ambient	Varies as needed	Meets major OEM qualification	BONDERITE® S-ST 1270-6 AERO is a viscous white emulsion that does not contain any of the hazardous or highly toxic components of conventional paint removers. It is free of aromatic hydrocarbons, chlorinated solvents, phenol and chromates. It is particularly effective in selective removal or topcoats from painted composites.	
BONDERITE® S-ST 9100 AERO	Aluminum, composites material, mild steel, stainless steel, titanium, ferrous, non-ferrous		•	Neutral	Liquid	Drum, Pail	Ambient	Varies as needed	Conforms to AMS 4872A except magnesium and BSS7432	BONDERITE® S-ST 9100 AERO is a viscous pink emulsion that does not contain any phosphates, borates, silicates or hydrogen peroxide. It was developed as a neutral pH product for removal of paint systems utilizing a polyamide type intermediate coating to allow for selective stripping of the topcoat layers while leaving the primer layer intact.	