

**BONDERITE®**

Touch-N-Prep Coating

**BONDERITE® M-CR 871 AERO and  
BONDERITE® M-CR 1132 AERO**



**Henkel**

# BONDERITE® M-CR 871 AERO and BONDERITE® M-CR 1132 AERO


## No-Rinse Conversion Coating

PRODUCT NAME	ALSO KNOWN AS	IDH NUMBER	CHARACTERISTICS				OPERATION		APPROVALS	DESCRIPTION
			CHEMISTRY	CONSISTENCY	FORM	MIX RATIO (PRODUCT: WATER)	TEMPERATURE	TIME		
BONDERITE® M-CR 871 AERO	ALODINE® 871	2675626	TRI-CHROME	LIQUID	READY-TO-USE	USE AS RECEIVED	Ambient	Until Dry	MIL-DTL-81706 Type 2 Class 1A and 3 approved 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	ALODINE® 1132	1445846	HEX-CHROME						MIL-DTL-81706 Type 1 Class 1A and 3 approved 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.

### Touch-N-Prep® Coatings Pen

Henkel developed BONDERITE® M-CR 871 AERO (blue cap) and BONDERITE® M-CR 1132 AERO (red cap) coatings with the convenient Touch-N-Prep® applicator pen to provide a clean, easy-to-use method of repairing conversion coatings on aircraft and aircraft part surfaces. The unique no-rinse conversion coating effectively treats bare aluminum substrates to prevent corrosion. It is the only product in the market that does not require rinsing and can be air-dried or force-dried with hot air.

The high-density acrylic tip of the Touch-N-Prep® pen can be modified with a single-edge razor blade to form any shape. In addition, there are specially designed replacement slim tips available for purchase. The design of the Touch-N-Prep® pen allows treatment of hard-to-reach places such as holes and the underside of an aircraft. This innovative application method controls the amount of coating applied to the surface. Use BONDERITE® M-CR 871 AERO and BONDERITE® M-CR 1132 AERO Touch-N-Prep® sparingly – a little goes a long way. This optimized application method greatly reduces the amount of chemical used and generates no secondary waste associated with other repair methods.

 Touch-N-Prep® coatings represent a dramatic environmental improvement over current methods of chemical coatings touch-up.

The easy-to-use, dry-in-place coating is a cost-effective and safer method of touch-up repairs of aircraft and aircraft part surfaces.

### Product Features and Benefits

- Easy to use, cost-effective touch-up and repair applicator
- Designed to save labor, material, and time with easy-to-use applicator
- The only non-rinsing, dry-in-place technology available in the market
- Excellent paint adhesion and painted corrosion resistance
- Each pen will treat up to 50 sq. ft. (4.6 sq. m)
- Two sizes of Touch-N-Prep® felt replacement tips available

IDH	PRODUCT
1445846	BONDERITE® M-CR 1132 AERO
2675626	BONDERITE® M-CR 871 AERO
2728948	BONDERITE® TNP REP TIPS 12 AERO
2728949	BONDERITE® TNP REP TIPS SLIM 12 AERO

\* BONDERITE® M-CR 871 AERO also known as Alodine 871,  
 BONDERITE® M-CR 1132 AERO also known as Alodine® 1132  
 BONDERITE® M-CR 871 AERO NSN Number: 8030-01-560-9113  
 BONDERITE® M-CR 1132 AERO NSN number: 8030-01-460-0246



### Pen Instructions

Touch-N-Prep® pens are designed for easy and safer repair of clean, bare, or previously painted aluminum surfaces. It is a non-rinse, dry-in-place application that can be applied using the following steps:

	<p><b>Step 1</b></p> <ul style="list-style-type: none"> <li>• Before applying the coating, the treated surface must be cleaned using the following process:</li> <li>• Use a moistened abrasive pad to remove oxides from the surface of the metal.</li> <li>• Rinse the area thoroughly with DI water, achieving a water break free surface.</li> <li>• Wipe substrate with a lint-free cloth to ensure complete removal of soils and dislodged oxides generated from the previous step.</li> <li>• Allow surface to dry before Touch-N-Prep® application.</li> </ul>
	<p><b>Step 2</b></p> <p>Remove the cap by pulling straight up. Do not twist or turn since this may result in the pen leaking. Holding the Touch-N-Prep pen upright, press and hold the pen tip down on the surface. (Frequent short jabs can also complete this step.)</p>
	<p><b>Step 3</b></p> <p>Apply the Touch-N-Prep Coating solution to the aluminum surface with firm, smooth, even strokes. To ensure complete coverage, a small overlap is required when applying both the BONDERITE M-CR 1132 AERO and BONDERITE M-CR 871 AERO Coatings. Allow to dry.</p>
	<p><b>Step 4</b></p> <p>Within 5 minutes of the first coat, apply a second coat at a 90 degree angle to the first coat with the same smooth, firm stroke. Allow the BONDERITE® M-CR 871 AERO and BONDERITE® M-CR 1132 AERO Touch-N-Prep® coating to air-dry thoroughly before handling or painting.</p>
	<p><b>Step 5</b></p> <p>To rewet the applicator tip, repeat the activation process described in Step 2.</p>
	<p><b>Step 6</b></p> <p>Always immediately replace the cap when not in use to avoid evaporation and contamination.</p>
	<p><b>Step 7</b></p> <p>If the tip needs to be replaced, remove the existing tip and discard appropriately. Two sizes of replacement tips are available, including a slim tip to treat smaller holes.</p>
	<p><b>Step 8</b></p> <p>For smaller hole applications, insert the replacement slim tip and depress until fully saturated.</p>
	<p><b>Step 9</b></p> <p>Apply solution to rivets, holes, and smaller surface areas using slim tip.</p>