

BONDERITE[®]**BONDERITE M-CR ALCRM1200BR AERO**

Known as Alocrom 1200 Brush COMM

December 2013

PRODUCT DESCRIPTION

BONDERITE M-CR ALCRM1200BR AERO provides the following product characteristics:

Technology	Metal Pre-Treatment
Product Type	Conversion Coating
Application	Brush

A rapid process which forms a protective golden coloured conversion coating on aluminium and its alloys.

Application Areas

BONDERITE M-CR ALCRM1200BR AERO offers these features:

Excellent corrosion resistance

BONDERITE M-CR ALCRM1200BR AERO gives excellent protection against corrosion to both painted and unpainted aluminium surfaces.

Flexible adherent coating

BONDERITE M-CR ALCRM1200BR AERO coatings are integral with the metal and will withstand bending and deformation of the surface.

Maximum paint adhesion

BONDERITE M-CR ALCRM1200BR AERO provides an excellent foundation for paint.

Simple to apply

BONDERITE M-CR ALCRM1200BR AERO requires no expensive equipment or skilled labour; it can be applied by brush or swab.

TECHNICAL DATA**BONDERITE M-CR ALCRM1200 BR AERO/Component A**

Appearance yellowish liquid

BONDERITE M-CR ALCRM1200 BR AERO/Component B

Appearance yellowish liquid

DIRECTION OF USE**Preliminary Statement**

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Use instructions**Equipment:**

Containers for the BONDERITE M-CR ALCRM1200BR AERO solution should be made of stainless steel, plastic, synthetic rubber or other acid resistant material; lead, glass, tin and galvanised iron are not suitable.

Solution Make-up

BONDERITE M-CR ALCRM1200BR AERO is supplied as two liquids (Component A and B)

To make up the working solution mix equal volumes of Parts A and Part B in a plastic container. Stir to ensure thorough mixing.

MAKE UP ONLY SUFFICIENT MIX FOR USE WITHIN 24 HOURS. IF ANY MIX REMAINS AFTER 24 HOURS DISPOSE OF IT.

Precleaning

Remove oil, grease, oxide coatings, corrosion products. If the surface is oxide free thorough solvent wiping is usually satisfactory provided the BONDERITE M-CR ALCRM1200BR AERO wets the surface when it is applied. Where BONDERITE M-CR ALCRM1200BR AERO is to be used for touching up machined, abraded or damaged areas on anodized surfaces, clean the areas by solvent wiping.

Treatment

Apply the BONDERITE M-CR ALCRM1200BR AERO mix to the surface by brush or swab. Do not apply by spray-gun or any equipment which atomises the solution into the atmosphere.

Always apply evenly and liberally, working upwards on vertical surfaces. The best method is to use a nylon brush,



but large paint brushes are also suitable and satisfactory results can be obtained with a viscose sponge or cotton rags soaked in the solution. Vertical surfaces can also be treated by applying absorbent paper soaked in the BONDERITE M-CR ALCRM1200BR AERO solution, this is particularly useful where only a specific area needs treating.

Treat small areas at a time, making sure that the area being treated is uniformly wetted and apply fresh solution if necessary. If there is poor wetting or bare areas remaining after treatment, then the precleaning was inadequate and some oxide is probably still present.

Allow the BONDERITE M-CR ALCRM1200BR AERO to act on the surface until an iridescent golden to golden yellow coating is obtained. This will take 1-5 minutes depending on the activity and temperature of the surface.

Rinsing

Remove excess BONDERITE M-CR ALCRM1200BR AERO from the surface by flushing with clean water or gently swabbing with a soft sponge or cloth. Rinse finally with demineralised water wherever possible.

Drying

Air dry, blow with clean compressed air or gently wipe with clean cloths. Oven drying for approximately 10 minutes at 120°C is beneficial if 2-pack Epoxy Primer is subsequently applied.

Storage

Temperature, °C	0 to 40
Shelf-life (in unopened original packaging), months	24

Classification

Please refer to the corresponding **Material Safety Data Sheets** for details on:

Hazardous Information
Transport Regulations
Safety Regulations

ADDITIONAL INFORMATION

Disclaimer

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:

In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Corporation, Resin Technology Group, Inc., or Henkel Canada Corporation, the following disclaimer is applicable:

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Trademark usage

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 0.0