

TECHNICAL DATA SHEET

BONDERITE C-IC 624(also known as **Deoxidine 624**)**Acid Cleaner/Etch for Aluminium**

Description	A ready to use brush applied liquid cleaner and deoxidiser for aluminium and aluminium alloys.
Features	<ul style="list-style-type: none">• Designed to remove oxides and greases from aluminium when dipping processes are not a practical alternative.• Ready to use liquid. Simple process – brush on, rinse off.• Widely specified for aircraft surfaces, to be followed by chromate conversion or paint systems.• It is the usual preparation before using Alodine 600 or Alodine 600 pretreatment.• Meets DTD 900/4627, and can be used as described in BS 7773:1995 Section 3.15, Method P, and BAE Airbus ABP 1-5056.• Can also be used for steel and brass.
Product Code	MP0003.
SG	1.15 ± 0.1 kg/l at 20°C.
Coverage	The rate of consumption will depend on the cleanliness of the component and the care in application. As a guide, the following range has proved reliable: Brush: 15 – 20 m ² /kg of Bonderite C-IC 624.
Equipment	Container must be plastic, rubber or stainless-steel for the Bonderite C-IC 624 solution. Long handled brushes are the most suitable for application, although a clean cloth or sponge can be used. Stiff bristle brushes may be needed for scrubbing corroded areas. Appropriate PPE should be worn. The quantity of product used, and the size of component to be treated, will dictate the extent and types most appropriate.
Application	For most applications, use Bonderite C-IC 624 undiluted. For light duty work, it can be diluted with water at a ratio of 1 part Bonderite C-IC 624 to 2 parts water. Normally the process sequence is: <ol style="list-style-type: none">1. Brush Bonderite C-IC 624 on to all surfaces requiring cleaning. Allow to react for 2 – 20 minutes (see Notes On Application below).2. Rinse with clean cold water (see RINSING below).3. Dry off (see AIR DRYING below).4. Apply further chemical treatment or paint.

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Acid Cleaner/Etch for Aluminium**Notes on Application:**

- i. **Do not** let the Bonderite C-IC 624 dry on the substrate.
- ii. Areas which need protecting from the Bonderite should be masked off. Operating mechanisms; zinc, cadmium or magnesium surfaces; and sensitive plastics such as acrylics, should all be protected.
- iii. Bonderite C-IC 624 should be applied liberally, treating small areas at a time. If there is significant oil or corrosion, scrubbing of the surface will improve the rate of removal. Keep the surface wet until all contaminants have been removed. If the surface starts to dry before cleaning is completed, apply fresh Bonderite and brush out over the remaining areas.
- iv. Lower ambient temperatures will require longer times allowed for reaction.
- v. On vertical surfaces, apply the Bonderite to the bottom first and work upwards, to avoid streaks from runs.

Rinsing	Normally, fresh mains water, dispensed either through a fine spray bottle, can or hose, is the most effective, applied from top to bottom. All surfaces should water-wet when rinsing - if there is any cringing or other indications of oils or oxide remaining on the surface, the cleaning has not been fully effective and a further application of Bonderite C-IC 624 should be made.
Air Drying	If no further pretreatment is required, air dry the surface by blowing with compressed air, or wiping with clean, dry cloths. Ideally the Bonderite cleaning should take place immediately before further treatment or painting, as any delay may cause the surface to become contaminated again, thus nullifying the treatment. The work should <u>not</u> be left overnight before finishing.
Flash Point	Above 55°C.
Shelf Life	2 years from date of manufacture when correctly stored in unopened containers.
Storage	The product should be stored in cool, dry, frost-free conditions, in sealed containers.
Health & Safety	Refer to the product's Safety Data Sheet and safety advice on the product label before use.
Technical Support	For technical support in using this product, please contact: e: birminghamtech@trimite.com , or t: 0121 554 7000.
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