

Scope

ARDROX 1074 is an aqueous acidic product containing solvents and surfactants.

This product is primarily intended as an application cleaner for aluminium. It will remove tarnish, oxide films and light oil and leave a slightly etched surface. ARDROX 1074 is suitable for the pre-treatment of aircraft and transport vehicle bodies prior to painting or the application of other protective systems such as chromate conversion coatings. It is useful as a treatment prior to spot welding or adhesive bonding of aluminium.

Chemicals required

ARDROX 1074

Method of use

ARDROX 1074 is used at ambient temperature, diluted with water, and may be applied to aluminium surfaces by brush, spray or immersion. If the surface is obviously soiled, a pre-cleaning operation should be carried out with a detergent cleaner e.g. ARDROX 6025.

The degree of dilution and contact time will depend on the nature of the adherent deposits and the amounts of etch required. Dilutions will normally range from 1 part by volume product plus 1 part by volume water to 1 part by volume product plus 3 parts by volume water. Contact times will normally range from 3 to 30 minutes.

Scrubbing the surface with a soft brush will assist the complete removal of any adherent deposits. On vertical surfaces it is best to apply the material from the bottom upward to prevent streaks caused by small amounts of product running over the untreated surface. Finally thorough rinsing with water should follow the etching operation.

Effects on materials

ARDROX 1074 is intended to etch aluminium and should only be left in contact with that metal long enough to produce the required degree of etch.

ARDROX 1074 will attack most metals, particularly zinc, tinplate, magnesium and ferrous metals.

ARDROX 1074 will etch glass and acrylic plastics (e.g. "Perspex" and "Plexiglas"). Masking is therefore recommended if there is any possibility of these being splashed with ARDROX 1074.

Technical information

Appearance:	Yellow, slightly viscous liquid.
Density (20°C):	1.04 g/ml.
Flash Point:	Non-flammable.

Equipment materials

High density polythene, polypropylene and rigid (unplasticised) PVC are suitable materials for tank construction.

Safety guidance

Before operating the process described it is important that this complete document, together with any relevant Safety Data sheets, be read and understood.

General information

Chemetall PLC supplies a wide range of chemical products and associated equipment for cleaning, sanitising, descaling, paint and carbon removal, metal protection and non-destructive testing. Sales Executives are available to advise on specific problems and applications.

Labour and environmental protection

All local and national regulations on the transport, storage, use and waste treatment of chemicals in concentrated or diluted form and as working solutions must be obeyed.

Further specific information on the products can be found in the EC Safety Data Sheets supplied. The user should also pay strict attention to information and hazard symbols shown on product labels.

Waste disposal

All waste waters must be treated in accordance with national legislation and local regulations prior to discharge to the sewer.

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