

Scope

ARDROX 160 is a blend of mineral acid and strong oxidising agents. It is designed to remove corrosion products from copper and its alloys, zinc and aluminium. It will also brighten these metals.

ARDROX 160 is an effective de-smutter for aluminium treated with alkaline products.

After treatment, metallic surfaces are left in a passive condition so that re-oxidation and tarnishing is delayed.

ARDROX 160 meets the composition requirements of TS 10082.

Chemicals required

ARDROX 160

Method of use

For copper alloy brightening, Ardrox 160 is used as supplied by immersion. Immersion times are commonly 1 – 10 minutes, at ambient temperature.

For aluminium etching and desmutting, Ardrox 160 is usually used diluted 50% by volume with water. Immersion times are 30 seconds to 5 minutes, at between ambient and 50°C.

Components, which are oily and greasy, should be cleared of contamination before immersion in ARDROX 160.

After treatment with ARDROX 160, parts should be thoroughly rinsed and dried.

Effects on materials

Ardrox 160 is designed for use on copper, zinc and aluminium. It is an etch/brightener so some attack on the metal may occur.

Technical information

Density:	1.27 g/ml
Appearance:	Dark brown liquid.
Flash Point:	Non-flammable.

Equipment materials

Equipment/tanks should be constructed of 316 stainless steel, unplasticised PVC, polyethylene or polypropylene.

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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