

Scope

ARDROX 3403 is a heavy-duty, water displacing, organic liquid formulated to protect aircraft components from oxidation and corrosion. A blend of film-forming agents, corrosion inhibitors and water-displacing additives in an aliphatic hydrocarbon solvent. It dries to a thin, hard, transparent brown film which provides long-term protection. The dry film is transparent thus identification marks are easily seen through the film which is itself fluorescent under ultra-violet light.

ARDROX 3403 will protect the structural members of airframe and the interior surfaces of aircraft skins. The dried ARDROX 3403 film is flexible and is resistant to de-icing fluids, toilet sanitisers and exterior aircraft cleaners.

ARDROX 3403 will also protect parts and equipment which are used, stored or transported in corrosive environments.

Chemicals required

ARDROX 3403

Method of use

Surfaces should be cleaned and rinsed prior to application of ARDROX 3403.

ARDROX 3403 is normally applied with airless or conventional spray equipment onto clean metal or painted surfaces, but may also be applied by dipping. If dipping is used the tanks should be constructed with a sloping or conical bottom fitted with a drain-cock so that any water which collects can easily be drained-off.

The recommended film thickness for ARDROX 3403 is 20 to 25 microns, at which it will meet the requirements of Boeing BMS 3-29; coatings of lower thickness may be used if lower corrosion protection is needed.

ARDROX 3403 coatings will be dry enough to handle within 3 hours and fully dry-to-touch in 24 hours.

ARDROX 3403 coatings may be removed with heavy-duty alkaline cleaners or solvent removers.

Effects on materials

ARDROX 3403 will not effect metals, paints, plastics and elastomers currently used in the aerospace industry. Some rubbers and plastics may swell to a small extent with prolonged contact but this effect usually disappears as the solvent evaporates.

Equipment materials

Application equipment should be solvent resistant.

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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