

Ardrox[®] 1900D

MULTI-PURPOSE AIRCRAFT CLEANER

1 Description

Ardrox[®] 1900D is a new generation, heavy duty, thixotropic, alkaline cleaner for the exterior and interior cleaning of aircrafts and ground handling equipment. It can also be used as a de-carbonizer for engines, component cleaning and for the removal of CICs.

Ardrox[®] 1900D is a liquid concentrate consisting of biodegradable surfactants, alkaline additives and corrosion inhibitors providing a more effective and safer aircraft exterior cleaner. It is designed to meet the latest regulations and future environmental standards.

Approvals & conformances

✓ Airbus	CML 08ABC1, CML 08ACA1, CML 08CJA1
✓ Boeing	BSS7432, BSS7434
✓ Embraer	MEO-QPL 21-012
✓ Lufthansa Technik	PMT M-6.1.07
✓ SAE	ARP 1755, AMS 1523, AMS 1526, AMS 1530, AMS 1550

Ask your Chemetall representative for a complete list of approvals

2 Physical and chemical properties

Property	Typical Value	Unit
Appearance	viscous, white to pale yellow liquid	-
Density (concentrate)	1.03 @ 20 °C (8.60 @ 68 °F)	g/ml (lb/gal)
pH	approx. 11.4	-

These are typical values only and do not constitute a specification.

3 Application

Depending on the soil Ardrox[®] 1900D can be used as received or diluted with water. The dilution with water will reduce the thixotropic properties.

3.1 Aircraft exterior washing

General Wet Washing

Dilute Ardrox[®] 1900D to 10-20 % with water and spray on to the surface. Agitate with brushes, pads or mops if necessary, and then rinse with water.

3.2 Heavy duty aircraft exterior cleaner

1. Cleaning of Gear Well, Flap, Nacelle, Exhaust Tracks, Thrust Reverser

For heavy-duty cleaning use Ardrox[®] 1900D as received. The dilution with water will progressively reduce the thixotropic properties. Spray on a heavy uniform film of Ardrox[®] 1900D and allow 5 to 10 minutes dwell time. Agitate with brushes, pads or mops, if necessary, and rinse with water.

2. Dry Washing

Spray on a light film of Ardrox® 1900D (as received) or apply it by pad or mop head. Agitate as necessary and mop dry with clean dry aircraft mops.

3.3 Aircraft interior cleaner

Dilute Ardrox® 1900D to 5-10 % with water and apply the solution by spray, rag or mop head. Rub the area to be cleaned before wipe dry with a clean rag or mop head.

3.4. De-carbonizer / degreaser

Ardrox® 1900D can be used either as received or diluted to 10-50 % with water in an immersion tank or a spray washing machine. If necessary, the product can be heated up to 65 °C. Usually, a concentration of 50 % Ardrox® 1900D is used for immersion systems and 10 % Ardrox® 1900D for spray applications. Trials need to be conducted to find the most suitable conditions. Once the contaminants have been dissolved the components should be rinsed with water.

4 Effects on materials

When Ardrox® 1900D is used in the prescribed manner, no significant corrosion will occur on most of metals including steel, aluminium, magnesium, copper, and cadmium plating. It has no deleterious effect on paint schemes under normal conditions of use. Ardrox® 1900D does not cause any hydrogen embrittlement on high-strength steel or stress corrosion cracking on titanium. Equipment/tanks should be constructed of mild steel or stainless steel.

5 Shelf life, storage and disposal

Please refer to the corresponding Material Safety Data Sheets for details on shelf life, storage and disposal.

6 Labor and environmental protection

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

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.

7 General Information

Chemetall supplies a wide range of chemical products and associated equipment for cleaning, descaling, paint and carbon removal, metalworking and protection, non-destructive testing as well as aircraft sealants. Sales Executives are available to advice on specific problems and applications.

The above details have been compiled to the best of our knowledge on the basis of tests and research work and with regard to the current state of our practical experience. This technical product information is non-binding. No liabilities or guarantees deriving from or in connection with this leaflet can be imputed to us. Statements relating to possible uses of the product do not constitute a guarantee that such uses are appropriate in a particular user's case or that such uses do not infringe the patents or proprietary rights of any third party. The reproduction of any or all of the information contained in this leaflet is expressly forbidden without Chemetall's prior written consent.

**Headquarters and Regional Head Office
Europe, Middle East, Africa, South America**
Chemetall GmbH
Trakehner Straße 3
60487 Frankfurt am Main, Germany
Tel: +49 (0) 69 7165-0

**Regional Head Office
North America**
Chemetall US, Inc.
675 Central Avenue
New Providence, NJ 07974, USA
Tel: +1-908-464-6900

**Regional Head Office
Asia-Pacific**
Chemetall Asia Pte Ltd.
12 Loyang Crescent
Singapore 508980
Tel: +65 6885 7900