

Ardrox[®] AV30

PENETRATING, WATER DISPLACING, LONG-TERM CORROSION INHIBITING COMPOUND

1 Description

Ardrox[®] AV30 is applied as a coating to protect metals commonly used in airframe structures and in aerospace components from corrosion. Ardrox[®] AV30 can be used in all areas of the airframe on painted and unpainted surfaces. It combines good penetration properties with excellent corrosion inhibiting characteristics at a low film weight.

Approvals

Ask your Chemetall representative for a complete list of approvals. Detailed information is available on the Chemetall website at: www.chemetall.com

2 Properties

Property	Typical Value
Flash Point	38 °C / 100 °F minimum
Non-volatile Content	53 % by weight minimum
Density at 23 °C (73 °F)	890 kg/m ³
Coverage	17 m ² /L at 8 µm
Application Temperature	15 to 30 °C / 60 to 85 °F
Storage Temperature	4 to 38 °C / 40 to 100 °F
Shelf Life	3 years from date of manufacture
Colour	Transparent, brown
Film Appearance	Tack-free, firm film
Specific Film Weight	30 g/m ²
Dry Film Thickness	30 to 50 µm
Drying Time at Ambient Temperature	180 minutes, dry to touch 60 minutes

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

3 Application

Ardrox[®] AV30 can be applied by dipping, brushing or spraying. For maximum penetration capability and the most effective corrosion inhibiting performance, spray application is recommended.

Ardrox[®] AV30 can be sprayed using either the specifically designed ACS-System (airmix application equipment) or the AAS-System (airless application equipment).

The coating should be applied at 50 to 100 µm / 2 - 4 mils wet thickness.

Movable parts should be masked before treatment. If Ardrox[®] AV30 spray control or masking of movable components is not possible, then an alternative soft waxy film CIC, such as Ardrox[®] AV25 should be used.

Operating instructions and recommendations for using spray equipment are given in the CIC manual which is available at the local Chemetall Sales Office.

4 Surface Preparation

Surfaces to be treated must be clean and dry. Contaminations (e.g. greases, oils or moulding agents) should be removed by means of a degreasing / solvent cleaning process (e.g. Ardrox[®] 5502).

5 Removal

Ardrox[®] AV30 can be removed with cleaning solvents (e.g. Ardrox[®] AV980, Ardrox 6135T).

6 Safety Guidance

For safety precautions and information on the safe use of this product please see the relevant Material Safety Data Sheet for Ardrox[®] AV30.

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
Singapur 508980
Tel: +65 6885 7900