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
Non-volatile Content	53 % by weight minimum
Coverage	17 m²/L at 8 µm
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 ambient temperature to 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 Storage, shelf life and disposal

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

7 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.

8 General Information

Chemetall supplies a wide range of chemical products and associated equipment for cleaning, descaling, paint and carbon removal, metalworking and protection and non-destructive testing. 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.

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