

# Ardrox<sup>®</sup> AV15

## SUPER PENETRATING, WATER DISPLACING, LONG-TERM CORROSION INHIBITING COMPOUND

### 1 Description

Ardrox<sup>®</sup> AV15 is applied as a coating to protect metals commonly used in airframe structures and in aerospace components from corrosion. Ardrox<sup>®</sup> AV15 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](http://www.chemetall.com)

### 2 Properties

Property	Typical Value
Flash Point	38 °C / 100 °F minimum
Non-volatile Content	50 % by weight minimum
Density at 23 °C (73 °F)	910 kg/m <sup>3</sup>
Coverage	31 m <sup>2</sup> /L at 15 µm
Application Temperature	4 to 30 °C / 40 to 85 °F
Storage Temperature	-20 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	15 g/m <sup>2</sup>
Dry Film Thickness	15 to 25 µm
Drying Time at Ambient Temperature	Approx. 60 minutes

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

### 3 Application

Ardrox<sup>®</sup> AV15 can be applied by dipping, brushing or spraying. For maximum penetration capability and the most effective corrosion inhibiting performance, spray application is recommended.

Ardrox<sup>®</sup> AV15 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 30 to 50 µm / 1,2 - 2,0 mils wet thickness.

Movable parts should be masked before treatment. If Ardrox<sup>®</sup> AV15 spray control or masking of movable components is not possible, then an alternative soft waxy film CIC, such as Ardrox<sup>®</sup> 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<sup>®</sup> 5502).

### 5 Removal

Ardrox<sup>®</sup> AV15 can be removed with cleaning solvents (e.g. Ardrox<sup>®</sup> AV980, Ardrox<sup>®</sup> 5502, Ardrox<sup>®</sup> 5503 or 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<sup>®</sup> AV15.

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