# Ardrox® AV8

## SUPER PENETRATING, WATER DISPLACING, CORROSION INHIBITING COMPOUND

### 1 Description

Ardrox® AV8 is applied as a coating to protect metals commonly used in airframe structures and in aerospace components from corrosion. Ardrox® AV8 can be used in all areas of the airframe on painted and unpainted surfaces. It combines excellent penetration properties with good 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 | 42 % by weight minimum |
| Density at 23 °C (73 °F) | 890 kg/m³ |
| Coverage | 44 m²/L at 8 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 | 8 g/m² |
| Dry Film Thickness | 8 to 15 µm |
| Drying Time at Ambient Temperature | Less than 60 minutes |

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

## 3 Application

Ardrox® AV8 can be applied by dipping, brushing or spraying. For maximum penetration capability and the most effective corrosion inhibiting performance, spray application is recommended.

Ardrox® AV8 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 20 to 40 µm / 0,8 - 1,6 mils wet thickness.

In areas exposed to severe corrosion conditions Ardrox® AV8 can be overcoated with Ardrox® AV30 or AV100D.

Movable parts should be masked before treatment. If Ardrox® AV8 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® AV8 can be removed with cleaning solvents (e.g. Ardrox® AV980, Ardrox® 5502, Ardrox® 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® AV8.



**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

**www.chemetall.com | surfacetreatment@basf.com**