

**Description:** Super penetrating, water displacing, heavy-duty, corrosion inhibiting compound (CIC). Forms a tack-free, firm film.

**Range of Use:** Applied as a coating to protect metals commonly used in airframe structures and in aerospace components from corrosion.

**AV 15** can be used in all areas of the airframe on painted and unpainted surfaces. It combines good penetration properties with excellent corrosion inhibiting characteristics and a low applied film weight.

The viscosity of **AV 15** is optimised to ensure an effective protective coating and to promote penetration into otherwise inaccessible areas of the airframe.

Movable parts should be masked before treatment unless spray application can be controlled to prevent direct contact.

If **AV 15** spray control or masking of movable components is not possible, then an alternative, soft waxy film CIC, such as **AV 25** should be used.

**Application:** **AV 15** can be applied by dipping, brushing or spraying. For maximum penetration capability and the most effective corrosion inhibiting performance, spray application is recommended.

**AV 15** can be sprayed using either the specifically designed **ACS - System** (airmix application equipment), or the **AAS - System** (airless application equipment).

Operating instructions and recommendations for using spray equipment are given in the Technical Manual "**Aircraft Corrosion Protection and Control**" available from the local Chemetall Sales Office.

**Safety Information:** For safety precautions and information on the safe use of this product please see: **Material Safety Data Sheet for AV 15.**

**Relevant Specifications and Approvals:** Detailed information is available on the Chemetall website at:

[www.aerospace.chemetall.com](http://www.aerospace.chemetall.com)

## PHYSICAL PROPERTIES

Property	Test Method	Value		
Flash Point:	ASTMD 93 EN ISO 2719	38 °C	(100 °F)	minimum
Non-volatile Content:	ASTMD 1644 EN ISO 3251	50	% by weight	minimum
Density at 23°C (73 °F):	EN ISO 12185	910 ± 20	kg/m <sup>3</sup>	
Coverage:	Calculated	31	m <sup>2</sup> /litre	at 15 µm
Application Temperature:		0 to 30 °C	(32 to 85 °F)	
Storage Temperature:		-20 to 30 °C	(-4 to 85 °F)	
Shelf Life:		36	months	

## FILM PROPERTIES

Property	Test Method	Value		
Colour:	Visual	Transparent, brown		
Specific Film Weight:	Weighing	15	g/m <sup>2</sup>	
Approximate Film Thickness:		15 to 25	µm	
Drying Time at Ambient Temperature:		60	minutes	approx.
Removable with solvent:	AV 980	Yes		
Salt Spray Test:	ASTMB 117	On steel	> 750 h (at R <sub>i</sub> 1)*	
		On 2024-T3	> 1500 h (at R <sub>i</sub> 1)*	
Humidity:	DIN 50017	On steel	> 750 h (at R <sub>i</sub> 1)*	

\*Interpretation according to EN ISO 4628-3

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