

Description: Super penetrating, water displacing, 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 8 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.

In areas exposed to severe corrosion conditions **AV 8** should be overcoated with **AV 100D** - a heavy duty, waxy, firm film CIC.

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

If **AV 8** 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 8** can be applied by dipping, brushing or spraying. For maximum penetration capability and the most effective corrosion inhibiting performance, spray application is recommended.

AV 8 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 8.**

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

www.aerospace.chemetall.com

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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	42	% by weight	minimum
Density at 23°C (73 °F):	EN ISO 12185	890 ± 20	kg/m ³	
Coverage:	Calculated	44	m ² /litre	at 8 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	8	g/m ²	
Approximate Film Thickness:		8 to 15	µm	
Drying Time at Ambient Temperature:		40 to 60	minutes	approx.
Removable with solvent:	AV 980	Yes		
Salt Spray Test:	ASTMB 117	On steel	> 100 h (at R _i 1)*	
		On 2024-T3	> 750 h (at R _i 1)*	
Humidity:	DIN 50017	On steel	> 750 h (at R _i 1)*	

* Interpretation according to EN ISO 4628-3

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