

Description: Thixotropic, heavy duty, corrosion inhibiting compound (CIC). Forms a firm, waxy film.

Range of Use: **AV 100D** is applied as a coating to protect metals commonly used in airframe structures and in aerospace components from corrosion. **AV 100D** is applied over **AV 8** penetrating, water displacing CIC.

AV 100D is used in areas of the airframe subject to severe corrosive environments. It can be applied to painted and unpainted surfaces.

Application: **AV 100D** should be applied by spraying.

AV 100D can be sprayed preferably using the specifically designed **AAS -System** (airless application equipment). It is also possible to use the **ACS -System** (airmix 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 100D**.

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

www.aerospace.chemetall.com

PHYSICAL PROPERTIES

Property	Test Method	Value		
Flash Point:	ASTM D 93 EN ISO 2719	38 °C	(100 °F)	minimum
Non-volatile Content:	ASTM D 1644 EN ISO 3251	71,5	% by weight	minimum
Density at 23°C (73 °F):	EN ISO 12185	990 ± 20	kg/m ³	
Coverage:	Calculated	7	m ² /litre	at 100 µm
Application Temperature:		15 to 30 °C	(60 to 85 °F)	
Storage Temperature:		5 to 30 °C	(40 to 85 °F)	
Shelf Life:		36	months	

FILM PROPERTIES

Property	Test Method	Value		
Colour:	Visual	Transparent, beige		
Specific Film Weight:	Weighing	120	g/m ²	
Approximate Film Thickness:		100 - 200	µm	
Drying Time at Ambient Temperature:		6	hour	approx.
Removable with solvent:	AV 980	Yes		
Salt Spray Test:	ASTM B 117	On steel:	> 1000 h (at R _i 1)*	
		On 2024-T3	> 2000 h (at R _i 1)*	
Humidity:	DIN 50017	On steel	> 1000 h (at R _i 1)*	

* Interpretation according to EN ISO 4628-3

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Chemetall GmbH
Aerospace Technologies
P.O. Box 90 01 70, D-60441 Frankfurt a.M.
Trakehner Straße 3, D-60487 Frankfurt a.M.

Tel. +49 (0) 69 71 65-3822 FAX +49 (0) 69 71 65-29 36

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