

Description: Heat resistant, colourless, 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 40 is designed for use in areas of the aircraft exposed to elevated temperatures. Typical applications include engine components, pylons and cowlings.

AV 40 will withstand continuous temperatures up to 150°C (302°F) and short term exposure to temperatures up to 210°C (410°F).

AV 40 is colourless and can be applied to aircraft exterior surfaces exposed to high temperatures, for example adjacent to auxiliary power unit (APU) exhaust systems where hot gases are expelled.

AV 40 is not affected by contact with alkaline cleaning chemicals or high pressure hot water cleaning. It can be removed using hydrocarbon solvents.

Application: **AV 40** should be applied by spraying 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 40.**

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:	ASTMD 93 EN ISO 2719	28 °C	(82 °F)	minimum
Non-volatile Content:	ASTMD 1644 EN ISO 3251	45	% by weight	minimum
Density at 23°C (73 °F):	EN ISO 12185	890 ± 20	kg/m ³	
Coverage:	Calculated	9,5	m ² /litre	at 40 µm
Application Temperature:		15 to 25 °C	(60 to 77 °F)	
Storage Temperature:		15 to 25 °C	(60 to 77 °F)	
Shelf Life:		24	months	

FILM PROPERTIES

Property	Test Method	Value		
Colour:	Visual	Transparent, colourless		
Specific Film Weight:	Weighing	40	g/m ²	
Approximate Film Thickness:		40 to 60	µm	
Drying Time at Ambient Temperature:		60	minutes	approx.
Removable with ARDROX [®] 1900B:		Yes		
Salt Spray Test:	ASTMB 117	On steel:	> 700 h (at R _i 1)*	
		On 2024-T3	> 1000 h (at R _i 1)*	

* Interpretation according to EN ISO 4628-3

Issue:2005-03-17
Supersedes issue of: 2002-09-13

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