

**Corrosion inhibiting compound**

**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.

**Physical properties**

Flash point (ASTM D93):	.	.	44°C minimum
Non-volatile content (ASTM D1644)	.	.	42% by weight minimum
Density (EN ISO 12185):	.	.	890 ± 20 kg/m <sup>3</sup>
Coverage:	.	.	44 m <sup>2</sup> /litre at 8 µm
Application temperature:	.	.	15°C minimum
Storage temperature	.	.	5 ... 30°C
Shelf life:	.	.	36 months

## Film properties

Colour:	transparent brown
Specific film weight:	8 g/m <sup>2</sup>
Film thickness:	approx. 8 µm
Drying time at ambient temperature:	40 ... 60 minutes minimum
Removable with solvent (AV980):	yes
Salt spray test (ASTM B117):	steel: >300 hours (at mark 7)* 2024-T3: >1500 hours (at mark 7)*
Humidity (ASTM D1748):	>2000 hours (at mark 7)*

(\* interpreted to ASTM D610)

## Relevant Specifications and Approvals

Detailed information is available on the Chemetall website at:

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

## General information

Chemetall supplies a wide range of chemical products and associated equipment for cleaning, sanitising, descaling, paint and carbon removal, metal protection and forming, paint denaturing and non-destructive testing. Field Support Engineers are available to advise on specific problems and applications.

Chemetall also supplies products within the glass, polymer, fine chemical and aerospace fields.

## Safety and handling guidance

Before using the product it is important that this complete document, together with any relevant safety data sheet(s), have been read and understood. The safety data sheet(s) will advise on all precautions, safety equipment and procedures necessary in the safe use and disposal of the product.

## Environmental guidance

All local and national regulations on the transport, storage, use and waste treatment of chemicals in concentrated or diluted form, or as working solutions, plus any by-products and contamination occurring as part of the process, must be obeyed.

All waste waters must be treated in accordance with national legislation and local regulations prior to discharge to the sewer.

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