

- Characteristics:** Heat resistant, colourless corrosion inhibiting compound, leaving a dry, firm film.
- Range of use:** For protection of all metals and alloys, commonly used in the aerospace industry. **DINITROL AV 40** is designed for use in areas exposed to elevated temperatures. Typical areas of application are engine parts, pylons, cowlings etc, exposed to temperatures up to 150°C, with short-term exposure, up to +210°C. The colourless film can also be applied to the exterior of the aircraft, where the skin is exposed to hot exhaust gases, e.g. the area around APU - outlet. **DINITROL AV 40** withstands cleaning with alkaline cleaners and high pressure hot water. Removal is by use of hydrocarbon solvent.
- Application:** **DINITROL AV 40** should be applied by spraying using the **DINITROL ACS - SYSTEM** (airmix), or the **DINITROL AIRLESS APPLICATION SYSTEM**, at temperatures between 15 – 20°C. Operational data for the spraying equipment can be found in the **DINITROL AVIATION TECHNICAL MANUAL**. For personal safety precautions see the **Material Safety Data Sheet**.
- Applicable Specifications and Approvals:** Approved by :-

LOCKHEED MARTIN CORPORATION
PILATUS

PHYSICAL PROPERTIES

<u>Test</u>	<u>Method</u>	<u>Value & Unit</u>
Flash point	SS 021811	28°C
Viscosity	DIN Cup 4	30 - 40 seconds
Non volatile content	SS 184122	46% by weight
	Calculated	38% by volume
Type of solvent	Aliphatic hydrocarbon with 0.5% aromatics	
Density	SS 184111	880 kg/m ³
Coverage	Calculated	>9,5 m ² /l at 40µ
Storage and application temperature		15°C
Shelf life		24 months from filling date

FILM PROPERTIES

<u>Test</u>	<u>Method</u>	<u>Value & Unit</u>
Colour	Transparent, colourless	
Specific film weight	Weighing	40 g/m ²
Recom. film thickness		40 µ
Penetration	SS 186017	N.A.
Water displacement ability	SS 186018	N.A.
Drying time		Approx. 30 min.
Low temperature flexibility	BMS 3-26	No flaking at -35°C
Removable with solvent		Yes
Burning properties	DEF-STAN 80-83/1	Self extinguishing
Freedom from flow		>4h at 100°C

RESISTANCE VALUES

<u>Test</u>	<u>Method</u>	<u>Value & Unit</u>
Salt spray test	ASTM B 117 on steel	>240h(at mark 9)

ph October 2001

© Registered trademark

The above data have been compiled to the best of our knowledge on the basis of thorough tests and with regard to the current state of our long practical experience. No liabilities or guarantee deriving from or in connection with this leaflet can be imputed to us. Reproduction, in whole or in part, only with our express permission.