

Approvals and conformities

AIRBUS	IPS 09-08-001-03 Type I Grade 3 (conform) / Maintenance application code 12ABB1 / CML 15-006A
AIRBUS HELICOPTERS	IFM-EI-042 IF-MA 338
DASSAULT AVIATION	DGQT 1.7.0.103 Type I (conform)
DGA (French Army)	Fiche identification n°4204 / AIR 8062 (conform)
EADS CASA	Z11504

SOCOPAC 25H provides a thorough protection and water-repellent coat for materials, spare parts or assemblies, in the worst climatic conditions. The ultimate film forms a very efficient barrier against all the agents responsible for corrosion (water, oxygen, acids, basis and salts coming from industrial emissions, tropical atmospheres, etc...).

- Its long lasting anti-corrosion power protects aluminium and alloys, steels, light alloys (titanium, magnesium), zinc and galvanized steel, copper and alloys and cadmium. It can be applied with no risk of attack to all painted surfaces, composite materials, plastics, rubbers, Plexiglas and polycarbonates (non crazing).
- **SOCOPAC 25H** has been formulated to offer the highest safety for users as well as for the substrates to be protected; it does not contain any harmful solvents, toluene, xylene or chlorinated products.
- **SOCOPAC 25H** displaces water and humidity and, after drying, leaves a long term protective waterproof film which resists differences in temperature, heavy rain, sea air, tropical atmospheres or industrial corrosive atmospheres.
- The film surface is dry and wax-like, which is especially interesting when the protection is to be applied on spare parts, which are frequently handled.
- However, thanks to its flexibility, the film absorbs slight impacts without damage or cracking.
- Because of its polarity and surfactant qualities, **SOCOPAC 25H** is bonded to the metal surface instead of the agents responsible for the corrosion.
- The cured film is formulated to resist outside for several years and above all to remain stable during this time. It is not subject to alteration by the air, or by exposure to sun or heat.

USES

Because of its exceptional properties in metal corrosion preventive protection, SOCOPAC 25H may be

employed anywhere.

In aerospace, it may be used when the risks of corrosion by condensation or by exposure to sea or corrosive air require an efficient and controllable temporary protection: landing gear, closed compartments, cabin and toilet floors, bunkers, pipe-work, cables, guide rails for containers, etc...

DIRECTIONS FOR USE

SOCOPAC 25H is available in liquid to be applied by

- Dipping.
- Spraying (classic spray gun, airless/airmix system, PREVAL sprayer).
- Low pressure spray system, which allows optimisation of application and users' comfort (no mist during spraying, fine regulation of flow, absence of runs and fat edges). *Example of low pressure application equipment: KREMLIN with M21 gun for flat surfaces, guns with fine nozzles and curved extensions at 45° and 135° for more difficult areas.*

SOCOPAC 25H is also available in aerosol and **AEROSOL EXTENDER 60cm** for application in cavities.

The operator must check that the deposited film is homogeneous and of the correct thickness. **SOCOPAC 25H** must be applied on clean and dry surfaces.

REMOVAL

Different methods can be used to strip the **SOCOPAC 25H** film depending on the equipment available and local conditions:

- 1) With cleaning solvents without rinsing with water, use **HYSO 96** or **DIESTONE DLS** for accelerated drying.
- 2) With **SOCOSOLV A3582** (used undiluted at ambient temperature): apply the product by low pressure spraying or by dipping. Once the coating is impregnated, wash with water, preferably heated to 80° C (176° F). Recover the effluent from the lowest point by emptying or suction.
- 3) In a steam cleaning machine, increase the temperature over 80°C (176°F); some **HYSOMUL MC** (10 to 20 %) may be added. It is also possible to add a **SYNCLAIR (A2 or A/C)**.

TECHNICAL CHARACTERISTICS

Appearance	thixotropic liquid
Specific gravity	(at 20°C/68°F) 0.87
Flash point	(ISO 2592) 40°C/104°F
Viscosity cup ISO 2431-n°3	37 seconds
Colour	brown-red
Advised dry film thickness	10-25 microns
Drying time (film of 10µ)	(at 20°C / 68°F) fast to handling : 1 to 2 hours ; total drying : 5 to 6 hours
Film appearance	dry, wax-like
Film thickness by spraying	10-25µ
Film thickness by dipping	10-20µ
Film resistance to temperature	-55°C à 120°C (-67 to +248° F)
Film resistance to humid tropical air ... on steel (chamber at 35°C/95°F and 100% humidity) > 6 months (dry film of 25 µ)	

Film resistance to alternated immersion into sea water ... on steel (AIR 0761 / NFA 91411) > 500 hours (film of 25µ)
Film resistance to salt spray fog ASTM B117-94 ... on steel (XC18S) depending on thickness >100 hours for 10µ ; > 400 hours for 25µ ; >750 hours for 50µ / on allied aluminium (2024) 500 hours for 25µ
Covering power for 10µ 37 m2 / litre

PRECAUTIONS FOR USE AND STORAGE

SOCOPAC 25H is free from harmful, chlorinated or aromatic hydrocarbons, and is not flammable in normal conditions of use.

However, as for all hydrocarbon based products, it is recommended to take the normal precautions for use and store away from flames and heat sources. Wear gloves during application and eye protection.

Store in the original closed packages, away from heat sources and flames. Always shake well before use.

For more information regarding the danger of the product, please consult the product safety data sheet according to local regulation.

For professional use only.

This technical data sheet replaces and cancels the previous one.

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