

### Approvals and conformities

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

**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***

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- SOCOPAC 25H can be applied with a classic or airless gun or by dipping.
- SOCOPAC 25H can be applied on humid surfaces. Its water-repelling feature allows it to displace humidity. However, in the case of hard to reach surfaces or particularly rough and wet surfaces, it is advised to use WADIS 24, a product with a greater water repelling and penetrative effect as a ground coat.

## 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 98 or DIESTONE DLS for accelerated drying.
- 2) With aqueous cleaners followed by rinsing with water, use HYSOMUL MC. After 10 minutes, rinse with a jet of water, preferably hot.
- 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 (A/C).

## ***TECHNICAL CHARACTERISTICS***

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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
Covering power for 10µ . . . . .	37 m <sup>2</sup> / litre
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

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for 50µ / on allied aluminium (2024) 500 hours  
for 25µ

## ***PRECAUTIONS FOR USE AND STORAGE***

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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.**

The above details have been compiled to the best of our knowledge. They have, however, an indicative value only and we therefore make no warranties and assume no liability in connection with any use of this information, particularly if a third party's rights are affected by the use of our products. The above information has been compiled based upon tests carried out by SOCOMORE. All data is subject to change as Socomore deems appropriate. The data given is not intended to substitute for any testing you must conduct in order to determine the suitability of the product for your particular purposes. Please check your local legislation applicable to the use of this product. Should you need any further information please contact us.