

SOCOPAC 25 H

SUPER PENETRATING, WATER DISPLACING CORROSION PREVENTIVE TEMPORARY PROTECTION

**Product qualified by: AIRBUS INDUSTRIE, AEROSPATIALE (EADS),
French Air Force (STPA), DASSAULT AVIATION.**

**Specifications to the following norms: US MIL C 16173 D Grade 2 and 3, AIRBUS
INDUSTRIE norm Type I Grade 3, BMS 3.23 E, AIR 8062,
DASSAULT DGQT 1.7.0.103 Type I.**

SOCOPAC 25 H 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 25 H 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 25 H 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 25 H 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.

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USES

Because of its exceptional properties in metal corrosion preventive protection, SOCOPAC 25 H 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 25 H can be applied with a classic or airless gun or by dipping.

SOCOPAC 25 H 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 25 H 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** (A2 or A/C).

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TECHNICAL CHARACTERISTICS

- Appearance thixotropic liquid
- Density at 20°C (68°F) 0.87
- Flash point (ISO 2592) 40°C (104°F)
- Viscosity (ISO 2431 - n° 3) 37 seconds
- Covering power for 10 microns "dry" 37 m²/l
- Colour..... brown - red
- Recommended dry film thickness 10 to 25 microns
- Drying time (film of 10 µ "dry" at 20°C / 68°F):
 - fast to handling 1 to 2 hours
 - total drying 5 to 6 hours

PROTECTIVE FILM PERFORMANCES

- Film appearance dry wax-like
- Thickness if sprayed 10 to 25 microns
- Thickness if dipped 10 to 20 microns
- Resistance to temperature -55 to +120° C (-67 to +248° F)

- Resistance to humid tropical air on steel
(chamber at 95°F and 100 % humidity) > 6 months (dry film of 25 µ)

- Resistance to alternated immersion into
sea water on steel (AIR 0761/NFA 91411) > 500 hours (25 µ)

- Resistance to salt spray ASTM B117-94
on steel (XC18S) ; depending on thickness
 - 10 µ = > 100 hours
 - 25 µ = > 400 hours
 - 50 µ = > 750 hours

- Resistance to salt spray ASTM B117-94
on alloyed aluminium (2024) > 500 hours (25 µ)

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PRECAUTIONS FOR USE AND STORAGE

SOCOPAC 25 H 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.

This technical data sheet replaces and cancels the previous one.

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