

SOCOPAC 25 S

SUPER PENETRATING, WATER DISPLACING
CORROSION PREVENTIVE TEMPORARY PROTECTION

Approval: AIRBUS CML 15-005

Conforms to specification AIRBUS Type I Grade 2.

SOCOPAC 25 S 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 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 S 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 S displaces water and humidity and, after drying, leaves a long lasting protective waterproof film which resists differences in temperature, heavy rain, sea air, tropical atmospheres or industrial corrosive atmospheres.

The film surface is 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 S is bonded to the metal surface rather than 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.

Socomor
Finishing Technologies

Support technique International / International Technical Support
tel. +33 (0)2 97 43 76 90 fax +33 (0)2 97 54 50 26 E-mail Support@socomor.com

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USES

Because of its exceptional properties in metal corrosion preventive protection, SOCOPAC 25 S 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, door and lock frames, etc...

DIRECTIONS FOR USE

SOCOPAC 25 S can be applied by spraying (classic or airless spray gun), by dipping or by brushing (the operator must check that the deposited film is homogeneous and of the correct thickness).

SOCOPAC 25 S can be applied on moist surfaces. With its water-repelling feature allows it to displace humidity. However, in the case of hard to reach surfaces or particularly rough or wet surfaces, it is advised to use WADIS 24, a product with a greater water repelling and penetrative effect as a ground coat.

SOCOPAC 25 S is compatible with products of type SOCOPAC and WADIS.

REMOVAL

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

- 1) With cleaning solvents without rinsing with water, use **HYSO 96** or **DIESTONE DLS**.
- 2) With cleaners followed by rinsing with water, use **HYSOMUL MC**. Apply product and after 10 minutes, rinse with a jet of water, preferably hot (80°C / 176°F).
- 3) In a steam cleaning machine, increase the temperature to over 80°C (176°F); some HYSOMUL MC (10 to 20 %) may be added. It is also possible to add **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 m ² /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

PROTECTIVE FILM PERFORMANCES

• Film appearance	wax-like
• Thickness if sprayed	10 to 25 microns
• Thickness if dipped	10 to 20 microns
• Resistance to temperature	-55 to +100°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 S 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 containers, away from heat sources and flames. Always shake well before use.

Please consult the safety data sheet for further information.

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 SOCOMOR ; all data is subject to change as Socomor 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 our services.

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