SOCOPAC 65H

Technical Data Sheet

LONG TERM, SUPER PENETRATING, WATER DISPLACING, CORROSION INHIBITING COMPOUND FOR AIRCRAFT STRUCTURES

Approvals and conformities

AIR FRANCE	FITS 93044-04
AIRBUS	AIMS 09.08.003 type III Gr.2, IPS 09-08-003-01 // Maintenance application code 12ADB1 / CML 15-009X
AIRBUS DEFENCE & SPACE	Z11505
ALSTOM	DTRF 150 611
ATR	Item 05-027Q
BOEING	BMS 3-35 and 3-29 (NTO) (conform)
COMAC	CMS-CT-503 (conform)
DASSAULT AVIATION	DGQT 1.7.0.0103 Rev A
DGA (French Army)	fiche d'identification et d'utilisation n° 4214 / Attestation d'Aptitude Aéronautique n° 177
EMBRAER	MEP 10-063 (Code E1281491 & Code E7431096)
EN 45545-2	Classified as HL3 for R1 and R7 requirements
ROLLS-ROYCE	oMat 1082
SAFRAN AIRCRAFT ENGINES (formerly SNECMA)	DMR 75-621
SAFRAN HELICOPTER ENGINES (formerly TURBOMECA)	CCT 00706
SNCF (French Railways)	STM 801
THALES GLOBAL SERVICES	TCIS 3685493 - TCIS 3786200

Corrosion inhibiting compound that displaces water and gives long lasting corrosion protection. Homogenous coating without runs suitable for use on a wide range of painted and unpainted metals.
Its main applications are the protection of surfaces, hollow bodies, frames, etc. in the aeronautical, railway, automotive and power industries.

SOCOPAC 65H is very effective in reducing corrosion-linked maintenance costs; it gives excellent water-displacement and long lasting anticorrosion protection. This combination of properties helps to increase the life and reliability of materials, preserve structures and maintain the appearance and quality of new materials. The following examples illustrate the special properties of SOCOPAC 65H.

- New concept 2 in 1:

    - very high water displacement performance with continuing water repellence in service
    - long lasting corrosion protection
- The dual function reduces the number of applications required; replacing separate products for water displacement and long term corrosion protection. For example SOCOPAC 25H and SOCOPAC 50S.
- It can be used on a large range of painted or unpainted metals (steels, aluminium and alloys, copper, titanium, cadmium, magnesium, etc.).
- The dry finish of the film makes handling pieces possible.
- Improved safety in use due to the high flash point.
- Fluorescence under standard ultraviolet light (365 nm), which allows to detect and control the proper product application on all types of painted or unpainted metal or composite substrates.
- Easy, optimised application with comfortable conditions in the absence of mist during spraying. (Using low pressure spraying equipment).
- SOCOPAC 65H provides thorough protection for materials, spare parts or assemblies, in the worst climatic conditions making them absolutely water repellent and forming a very efficient barrier against all agents responsible for corrosion (water, oxygen, acids, alkalis and salts from industrial emissions, acid rain, tropical atmospheres, etc.).

USES

In aerospace, it can be used when risks of corrosion by exposure to sea or corrosive air require an efficient and controllable protection: for landing gear, closed compartments, cabin and toilet under-floors, loading bays, pipe works, cables, container guide rails, etc...
In the railway industry, it is mainly used in hollow bodies, for the protection of rivets and bolts and for the protection of bogies.

DIRECTIONS FOR USE

SOCOPAC 65H is available in liquid to be applied by

- Dipping.
- Brushing.,
- 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 65H 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 65H must be applied on clean and dry surfaces.

REMOVAL

- **Types HYSO, SOCOSOLV or DIESTONE (used undiluted at ambient temperature):** apply the produtct by swabbing, low pressure spraying or by dipping. Let the solvent impregnate the coating and carry out a second application if necessary in restricted access areas.Recover the effluent from the lowest point by emptying or suction.

- **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.
- **SOCOCLEAN PC1:** into circulation systems and application equipment for SOCOPAC 65H application.
- In all cases, consult the technical data sheets of the relevent products. Take the same measures as painting if spraying on the internal sides of a compartment.

APPLICATION METHOD

All the equipment usually employed for cleaning under pressure can be used, provided the instructions on the product technical data sheets are respected and the situation is appropriate.

For further information, contact the following distributors: KREMLIN, GRACO, WAGNER, KARCHER…

TECHNICAL CHARACTERISTICS

Appearance ..... thixotropic liquid
Specific gravity ..... (at 20°C/68°F) 0.93
Flash point ..... (ISO 13736) 38°C/100°F
Film appearance ..... dry, translucent
Film resistance to temperature ..... -55°C to 100°C (-67 to 248°F)
Covering power ..... 30m²/L (for a dry film of 15µ); 17,5m²/L (for 25µ) ; 9m²/ (for 50µ)
Film resistance to humid tropical air ... on steel and aluminium (chamber at 35°C/95°F and 100% humidity): 2000 hours (20µ)
Resistance to salt spray fog ... ASTM B 117/BSS 7249 on steel (XC18S) : 15µ = 750 h ; 40µ = 1500 h / ASTM B 117/BSS 7249 on aluminium alloy (2024 T3): 15µ = 1500 h ; 25µ = 2000 h
Drying time ..... fast to handling : 1 hour ; total drying : 3 hours
Estimated protection period ... from 36 months to several years, depending on the use conditions of the part/structure
Recommended wet film thickness ..... 30 µm
Recommended dry film thickness ..... 15 µm

PRECAUTIONS FOR USE AND STORAGE

SOCOPAC 65H is compatible with WADIS or SOCOPAC type products.

SOCOPAC 65H is free of chlorinated or aromatic hydrocarbons.

However, as for all hydrocarbon-based products, it is important to take the normal usage and storage precautions: use and store away from flames and heat sources - wear gloves when applying and eye protection when spraying.

Store in the original, tightly closed containers, protected from heat and flames - storage temperatures: from -10 to +50°C (+14 to +122° F). If possible bring the product to about 20° C (68° F) before application. 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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