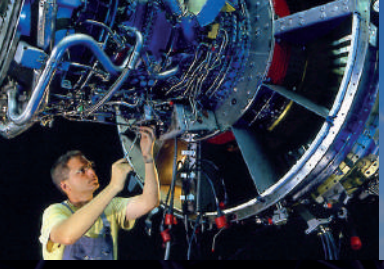
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Aerospace

Our solutions
for aerospace maintenance

The Surface Company



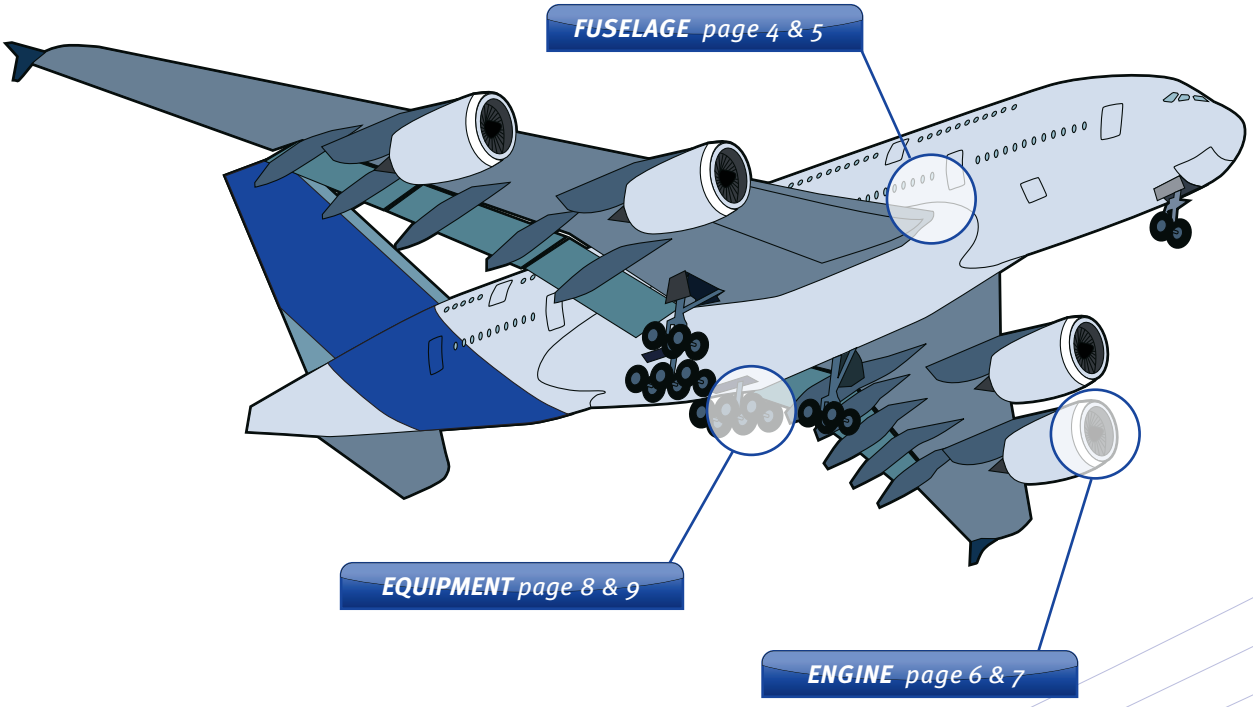




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Our solutions for aerospace maintenance

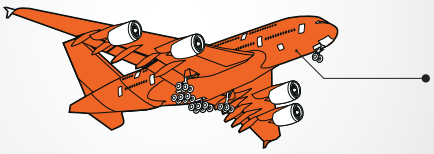


Quality, operational productivity and cost control are some of the challenges encountered within aerospace MRO (Maintenance, Repair & Overhaul). Aware of these challenges, Socomore offers a complete range of products for aircraft surface maintenance:

- *for maintaining engines, fuselages and equipment*
- *that are approved by most OEMs (Original Equipment Manufacturers)*
- *that meet the latest regulatory changes in Health, Safety and Environment*
- *that are based on over 40 years of experience in the aerospace industry*

Find the best solution(s) to fit your operations.

FUSELAGE



Discover a complete range of products *for surface preparation during maintenance operations of helicopters, civil and military aircraft including paint strippers, aqueous degreasers, solvents, deoxidizers, CICs (Corrosion Inhibitor Compounds) and adhesion promoters (prior to painting or bonding).*

CIC MAINTENANCE PROCESS

- Removal of insulating materials (and other equipment)
- CIC removal on large surfaces
- CIC removal on local repairs and maintenance areas
- CIC re-application
- Refit of insulating materials (and other equipment)

FUSELAGE MAINTENANCE PROCESS

- Exterior aircraft cleaning
- Masking operation
- Paint stripping
- Aqueous cleaning
- Solvent cleaning
- Surface oxide removal
  - Acid cleaners
  - Wet sanding
- Remove abrasion debris & dust (Tack Cloth)
- Adhesion promoter
- Repainting
- Cleaning of paint application equipment

Approvals:

Agusta Westland, Airbus, Airbus Military, Airbus Helicopters, ATR, AVIC, BAe, Bell Helicopter, Boeing, Bombardier, Cessna, COMAC, Dassault Aviation, DGA, Embraer, Lockheed Martin, Sikorsky, ...

Cleaning

➤ **Water-based cleaners**

SOCOCLEAN AQUAFORTE, SYNCLAIR A/C, SYNCLAIR A2 GEL, SOCOCLEAN EAC, SKYWIPE, SKYWASH

➤ **Solvent-based cleaners (preparation, cleaning of excess sealant & sanding debris)**

DIESTONE A8284, DIESTONE A8290, DIESTONE D, DIESTONE DLS, DIESTONE SR, DS 108, HYSO F

➤ **Technical wipes**

- ***Pre-saturated:*** *SATWIPES C86, SOCOSAT I80, SOCOSAT P45, SOCOSAT PPA60, SOCOSAT 15100, SOCOSAT 15233, SOCOSAT 16400*
- ***Dry wipes:*** *SOCOWIPES, SOCOWIPES VP50, SOCOWIPES 21800*
- ***Tack Cloth:*** *TAXFRE*

➤ **Cleaning of paint application equipment**

- *DIESTONE A8290*
- *DIESTONE G11, SOCOCLEAN PC1, DISCOVERT DPLF, DS-804*

Paint stripping

➤ **Chemical paint strippers**

- ***Gel paint strippers:*** *SOCOSTRIP A0102N, SOCOSTRIP A0103N, SOCOSTRIP A0212 SR, SPC-909N, SOCOSTRIP A0109N, SPC-J909N*
- ***Liquid paint strippers:*** *KEMSTRIP 600*
- ***Sealant removal:*** *SKYRESTORE 406 & 407*

Surface oxide removal

➤ *SOCOCLEAN A2711, SOCOSURF A1855*

CIC (Corrosion Inhibitor Compound) removal

➤ **Water rinsable solvent-based products**

SOCOSOLV A3582

➤ **Solvent-based products**

DIESTONE A8284, DIESTONE DLS, DIESTONE SR

CIC (Corrosion Inhibitor Compound) re-application

➤ *SOCOPAC 25H, SOCOPAC 50S, SOCOPAC 65H, WADIS 24/60*

Adhesion promoter prior to painting or bonding: sol-gel range

➤ *SOCOGEL B0102, SOCOGEL B0202, SOCOGEL B0202 BLUE, SOCOGEL A0203 BLUE, PREKOTE*

SOCOGEL

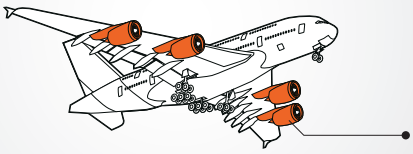
Why use sol-gel solutions? The ***SOCOGEL range provides:***

improved adhesion of paint and adhesives	*corrosion protection when used in conjunction with an approved paint scheme*	*elimination of chromates in surface preparation prior to painting*

Apply on aluminium alloys, titanium alloys and stainless steels.
Our sol-gel solutions are approved by Airbus, Airbus Helicopters, Boeing and Dassault Aviation.

Refer to our general catalog or product technical data sheets (TDS) for further information.

ENGINE



Magchem & Socomore solutions *meet the cleaning needs for cold & hot sections of engine parts and APUs (Auxiliary Power Units). The aim is to improve productivity and the final finish of parts while optimizing operational costs.*
Our solutions are based on over 40 years of experience in speciality chemicals and are approved by engine manufacturers.

DEWAXING PROCESS

- Degreasing
- Waxing
- Electroplating
- Dewaxing
- Final degreasing

ENGINE MAINTENANCE PROCESS

- Degreasing of assembled module
- Engine disassembly
- Parts degreasing
- Paint stripping of engine parts
- Descaling / Deoxidation / Derusting
- Non Destructive Testing (NDT)*
- Cleaning after NDT
- Parts repair
- Anti-corrosion protection
- Storage
- Degreasing before assembly
- Reassembly

Approvals:

CFMI, GE, IAE, MTU, Pratt & Whitney, Rolls Royce, Safran Aircraft Engines, Safran Helicopter Engines, Engine Alliance

* See Sherwin Babbco catalogue to find NDT products

Cleaning / Degreasing

➤ **On assembled module**

➤ **On parts**
- **Before descaling / deoxidation**
- **Before paint stripping**
- **Before NDT (Non Destructive Testing)**
- **After storage**
- **Before repainting / plating**
- **Before reassembly**
- **After forming / stamping**

➤ ***Aqueous degreasers***
- ***Spray:*** *DG KLEEN, COMORAL DSP, COMORAL DXP*
- ***Immersion*** *(with or without ultrasound): SOCOCLEAN UCA/UCS, SOLUWAX, SYNCLAIR A/C*
- ***Thickened degreasers:*** *SYNCLAIR A2 GEL*

➤ ***Solvent-based cleaners***

DIESTONE A8287, DIESTONE D, DIESTONE DLS, DIESTONE SRM DIESTONE SR, DS 108, HYSO 93, HYSO 96/3, HYSO F

➤ ***Pre-saturated wipes***

SATWIPES C86, SOCOSAT I80, SOCOSAT P45, SOCOSAT PPA60, SOCOSAT 15100, SOCOSAT 15233, SOCOSAT 16400

Paint stripping of engine parts

➤ **Aluminium based paints**

HDL 202

➤ **Organic paints**
- ***Liquid:*** *COMORCAP T4551, KEMSTRIP 600, SOCOSTRIP A4512*
- ***Gel:*** *SOCOSTRIP A0103N, SOCOSTRIP A0212 SR, SPC-909N, SOCOSTRIP A0109N, SPC-J909N*

Descaling / Deoxidation / Derusting

➤ **On aluminium / magnesium alloys**

KEMSTRIP 600

➤ **On titanium alloys**

HDL 202

➤ **On low-alloy steels**

HDL 202

➤ **On martensitic and austenitic stainless steels, nickel and cobalt-based refractory alloys**
- ***Option 1:*** *HDL 202 › AP 988 › HDL 2524 › AP 954*
- ***Option 2:*** *HDL 202 › HDL 2524 › AP 988*
- ***Option 3:*** *HDL 202 › AP 988 › HDL 2524 › AP 988*
- ***Option 4:*** *HDL 202 › AP 988 › HDL 2524 › HDL 202*
- ***Option 5:*** *HDL 202 › HDL 73W › HDL 2524 › HDL 73W*
- ***Option 6:*** *(parts without carbon residues) HDL 73W › HDL 2524 › HDL 73W*

Other options can be recommended by OEMs

Anti-corrosion Protection with CIC (Corrosion Inhibitor Compound)

➤ *SOCOPAC 50S, SOCOPAC 65H, WADIS 11B, WADIS 24/60*

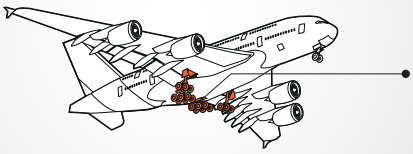
Dewaxing (complete process)

➤ *D-SOLV › SYNCLAIR A/C or SOLUWAX*

HDL 73W is a neutral deoxidiser that enables our customers to:
- ***Increase productivity by having cleaner parts in shorter cycle times***
- ***Reduce maintenance operations with fewer tanks to drain and maintain***
- ***Optimize their surface treatment lines by eliminating a processing tank***

Refer to our general catalog or product technical data sheets (TDS) for further information.

EQUIPMENT



***A full range of cleaners and strippers for landing gears**, wheels and brakes developed to replace chlorinated, chromated and NMP-based products and their associated Health, Safety & Environmental issues.*
This range also includes anti-corrosion protection products.

EQUIPMENT MAINTENANCE PROCESS

- Degreasing
- Paint stripping
- Cleaning
- Surface treatment
- Painting or bonding
- Anti-corrosion protection

BEFORE AND AFTER NON DESTRUCTIVE TESTING

- Degreasing
- Flash Rust Protection
- Non Destructive Testing (NDT)*
- Degreasing
- Flash Rust Protection OR Anti-corrosion protection

* See Sherwin Babbco catalogue to find NDT products

DEWAXING PROCESS FOR CHROME AND NICKEL PLATING

- Degreasing
- Waxing
- Electroplating
- Dewaxing

Approvals:

Collins Aerospace, Honeywell, Safran Landing Systems, ...

Degreasing

➤ **Technical (Aqueous cleaners)**

SYNCLAIR A2 GEL, SYNCLAIR A/C

➤ **CIC removal**

- ***Water rinsable solvent-based product:*** *SOCOSOLV A3582*
- ***Solvent-based products:*** *DIESTONE A8284, DIESTONE DLS, DIESTONE SR*

➤ **Before NDT (Non Destructive Testing)**

- ***Aqueous Degreasers***
  - › ***Spray:*** *COMORAL DXP*
  - › ***Immersion:*** *SYNCLAIR A/C*
- ***Solvents:*** *DIESTONE DLS*

Paint stripping

➤ **Liquid**

KEMSTRIP 600

➤ **Gel**

SOCOSTRIP A0103N, SOCOSTRIP A0212 SR, SPC-909N, SPC-J909N, SOCOSTRIP A0109N

Cleaning

➤ **Prior to painting & bonding**

- ***Solvent-based:*** *DIESTONE A8284, DIESTONE A8290, DIESTONE DLS, DIESTONE SR, HYSO F*
- ***Water-based:*** *SOCOCLEAN AQUAFORTE, SKYWASH*
- ***Pre-saturated wipes:*** *SATWIPES C86, SOCOSAT I80, SOCOSAT P45, SOCOSAT PPA60, SOCOSAT 15100, SOCOSAT 15233,*

Anti-corrosion Protection with CIC (Corrosion Inhibitor Compound)

➤ *SOCOPAC 25H, SOCOPAC 50S, SOCOPAC 65H, WADIS 24/60*

Dewaxing (complete process)

➤ *D-SOLV › SYNCLAIR A/C or SOLUWAX*

New generation liquid paint strippers
(KEMSTRIP 600)

- ***Use by immersion***
- ***NMP-, NEP- and methylene chloride free***
- ***Approved by Airbus Helicopters & Safran Group***

Refer to our general catalog or product technical data sheets (TDS) for further information.





By choosing our solutions

you rely on:

- *Our ability to innovate through the strength of our R&D team, based in Vannes, and our significant investment in R&D that represents 11% of our turnover. Our main areas of development include technologies to reduce VOC emissions (Volatile Organic Compounds) and technologies to replace those labelled as dangerous substances according to various regulations (e.g. hexavalent chromium).*

- *Our ability to adapt production in Europe, the Americas and Asia to meet demand.*

- *The availability of our worldwide sales & technical teams to listen to your needs and assist you with using our products.*

- *Our ISO/EN/AS 9100 certification, meeting the needs of our aerospace customers, and our quality system that puts customer satisfaction at the heart of our organization.*

- *Our flexibility and adaptability to your requests.*

afaq ISO 9001 Quality AFNOR CERTIFICATION

afaq EN/AS/JISQ 9100 Aerospace AFNOR CERTIFICATION

afaq ISO 14001 Environnement AFNOR CERTIFICATION



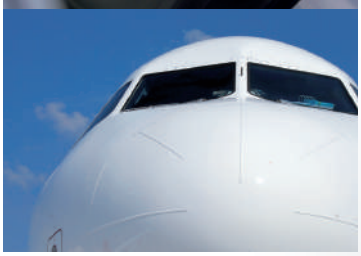
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More trust
Ils nous font confiance

AEROSPACE: AERNNOVA GROUP, AIRBUS, AIRBUS DEFENCE & SPACE, AIRBUS HELICOPTERS, AIRBUS MILITARY, AIR CANADA, AIR FRANCE INDUSTRIES, AIR LIVERY, AIRTECH, ALITALIA, AMECO, ARMÉE DE L'AIR FRANÇAISE, AVIC, BAe, BELL HELICOPTER, BOEING, BOMBARDIER, BRITISH AIRWAYS, CESSNA, COLLINS AEROSPACE, COMAC, DAHER-SOCATA, DASSAULT AVIATION, EMBRAER, FEDEX, GAMECO, GENERAL ELECTRIC, IBERIA, LATECOERE, LEONARDO (ALENIA AERMACCHI AGUSTA WESTLAND), LUFTHANSA TECHNIC, MTU, PILATUS, PRATT & WHITNEY, RATIER-FIGEAC, REVIMA, REVIMA-APU, ROLLS-ROYCE, RUAG, SAFRAN GROUP (SAFRAN AIRCELLES, SAFRAN CERAMICS, SAFRAN TRANSMISSION SYSTEMS, SAFRAN LANDING SYSTEMS, SAFRAN AIRCRAFT ENGINES, SAFRAN AERO BOOSTERS, SAFRAN HELICOPTER ENGINES), SAMC, SIKORSKY, SONACA, SR TECHNICS, STARCO, STELIA, TAP TECHNIC, TURKISH AIRLINES....







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