

socomore



Aerospace

*Our solutions
for aerospace maintenance*

The Surface Company

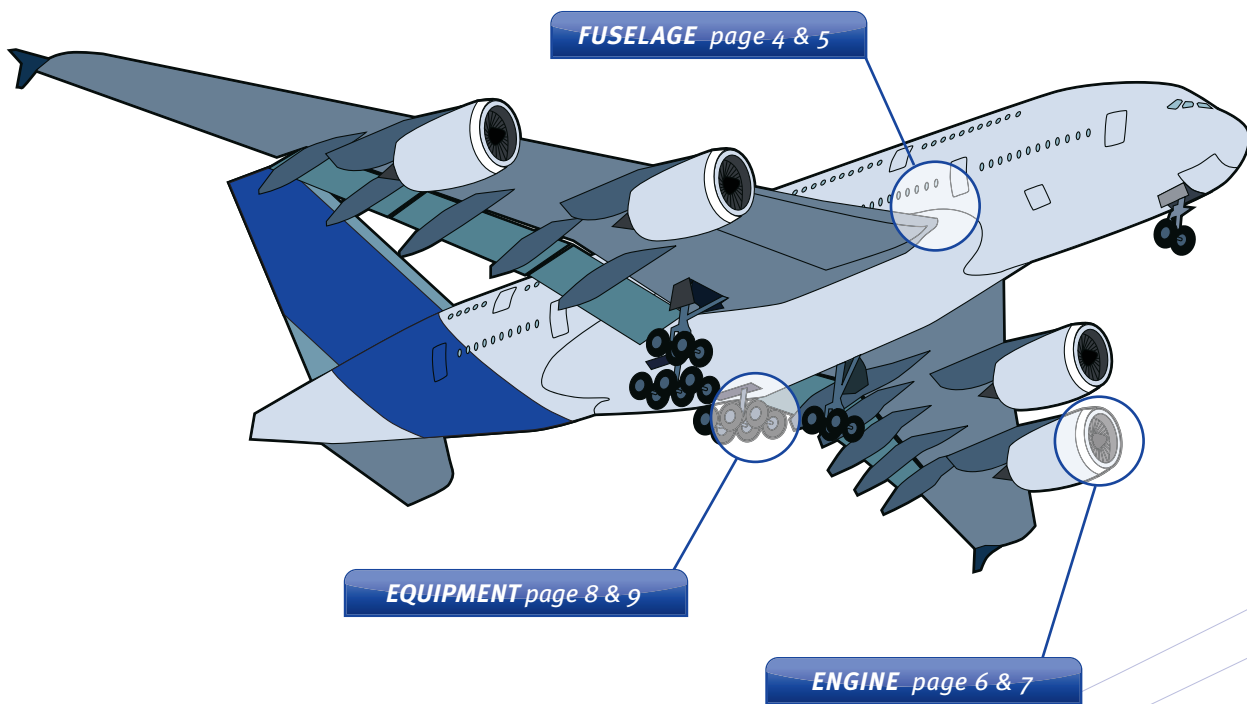


soco**more**





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:

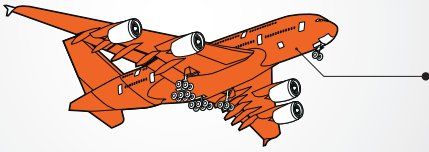
- for maintaining engines, fuselages and equipment
- that are approved by most OEMs (Original Equipment Manufacturers)
- that meet the latest regulatory changes in Health, Safety and Environment
- that are based on over 40 years of experience in the aerospace industry

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 A2519, SOCOCLEAN AQUAFORTE, SYNCLAIR A/C, SYNCLAIR A2 GEL

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

DIESTONE A8284, DIESTONE A8290, DIESTONE D, DIESTONE DLS, DIESTONE SR, DS 108, HYSO F, SOCOCLEAN A2501

► Technical wipes

• **Pre-saturated:** SATWIPES C86, SOCOSAT I80, SOCOSAT P45, SOCOSAT PPA60, SOCOSAT 15100, SOCOSAT 15233, SOCOSAT 16400

• **Dry wipes:** SONTARA AC, SONTARA EC, SOCOWIPES, SOCOWIPES VP50

• **Tack Cloth:** TAXFRE

► Cleaning of paint application equipment

• **Solvent-based paints:** DIESTONE A8284, DIESTONE A8290, DIESTONE E

• **Water-based paints:** DIESTONE G11, SOCOCLEAN PC1

Paint stripping

► Chemical paint strippers

• **Gel paint strippers:** SOCOSTRIP A0102N, SOCOSTRIP A0103N, SOCOSTRIP A0212, SPC-909N

• **Liquid paint strippers:** COMORCAP T4551, KEMSTRIP 600, SOCOSTRIP A4512

Surface oxide removal

► SOCOCLEAN A2711, SOCOSURFA1855

CIC (Corrosion Inhibitor Compound) removal

► Water rinsable solvent-based products

SOCOSOLV A3582, HYSOMUL MC

► 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

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

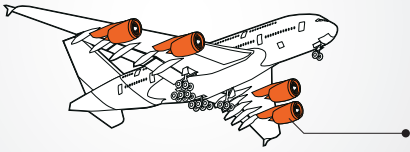
elimination of chromates
in surface preparation prior to painting

Apply on aluminium alloys, titanium alloys and stainless steels.

Our sol-gel solutions are approved by Airbus, Airbus Helicopters, Boeing and Dassault Aviation.



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

Non Destructive Testing (NDT)*

Cleaning after NDT

Flash rust protection

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,

* 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 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, SPC-909N

Descaling / Deoxidation

► 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

Flash Rust Protection

- CORROTEK

Dewaxing (complete process)

- D-SOLV > SYNCLAIR A/C or SOLUWAX
- D-SOLV SW > SOCOCLEAN UCA / SOCOCLEAN UCS or COMORAL DXP

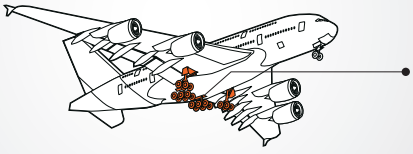
NEW

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

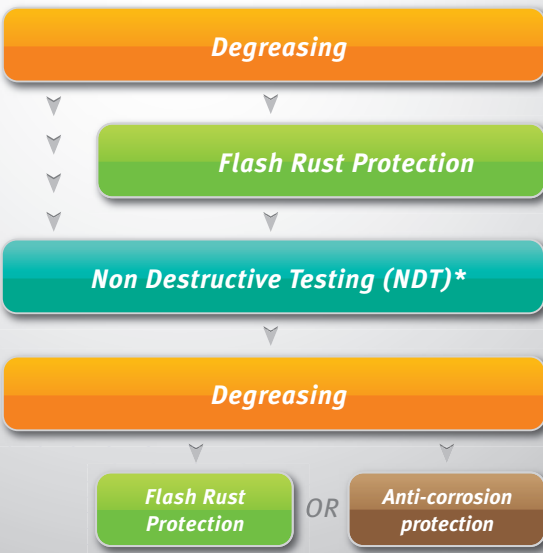


EQUIPMENT



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.

BEFORE AND AFTER NON DESTRUCTIVE TESTING



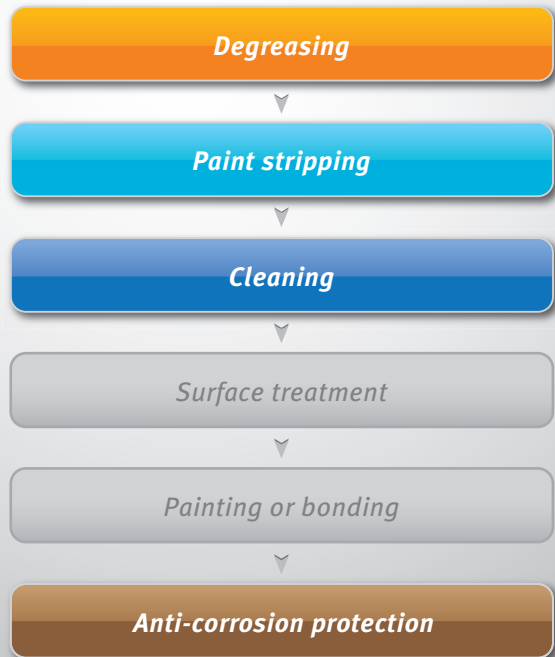
* See Sherwin Babbco catalogue to find NDT products



APPROVALS:

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

EQUIPMENT MAINTENANCE PROCESS



DEWAXING PROCESS FOR CHROME AND NICKEL PLATING



Degreasing

► Technical (Aqueous cleaners)

SYNCLAIR A2 GEL, SYNCLAIR A/C

► CIC removal

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

► Before NDT (Non Destructive Testing)

- **Aqueous Degreasers**
 - › **Spray:** COMORAL DSP, COMORAL DXP, SOCOCLEAN A3433
 - › **Immersion:** SYNCLAIR A/C
- **Solvents:** DIESTONE DLS

Paint stripping

► Liquid

COMORCAP T4551, KEMSTRIP 600, SOCOSTRIP A4512

► Gel

SOCOSTRIP A0103N, SOCOSTRIP A0212 (aluminium parts), SPC-909N

Cleaning

► Prior to painting & bonding

- **Solvent-based:** DIESTONE A8284, DIESTONE A8290, DIESTONE DLS, DIESTONE SR, HYSO F
- **Water-based:** SOCOCLEAN AQUAFORTE, SOCOCLEAN A2501
- **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

Flash Rust Protection

- CORROTEK

Dewaxing (complete process)

- D-SOLV ► SYNCLAIR A/C or SOLUWAX
- D-SOLV SW ► SOCOCLEAN UCA / SOCOCLEAN UCS or COMORAL DXP

NEW

New generation liquid paint strippers

(COMORCAP T4551, SOCOSTRIP A4512 and KEMSTRIP 600)

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



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.



soco *more*

***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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to service our customers' needs.*

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