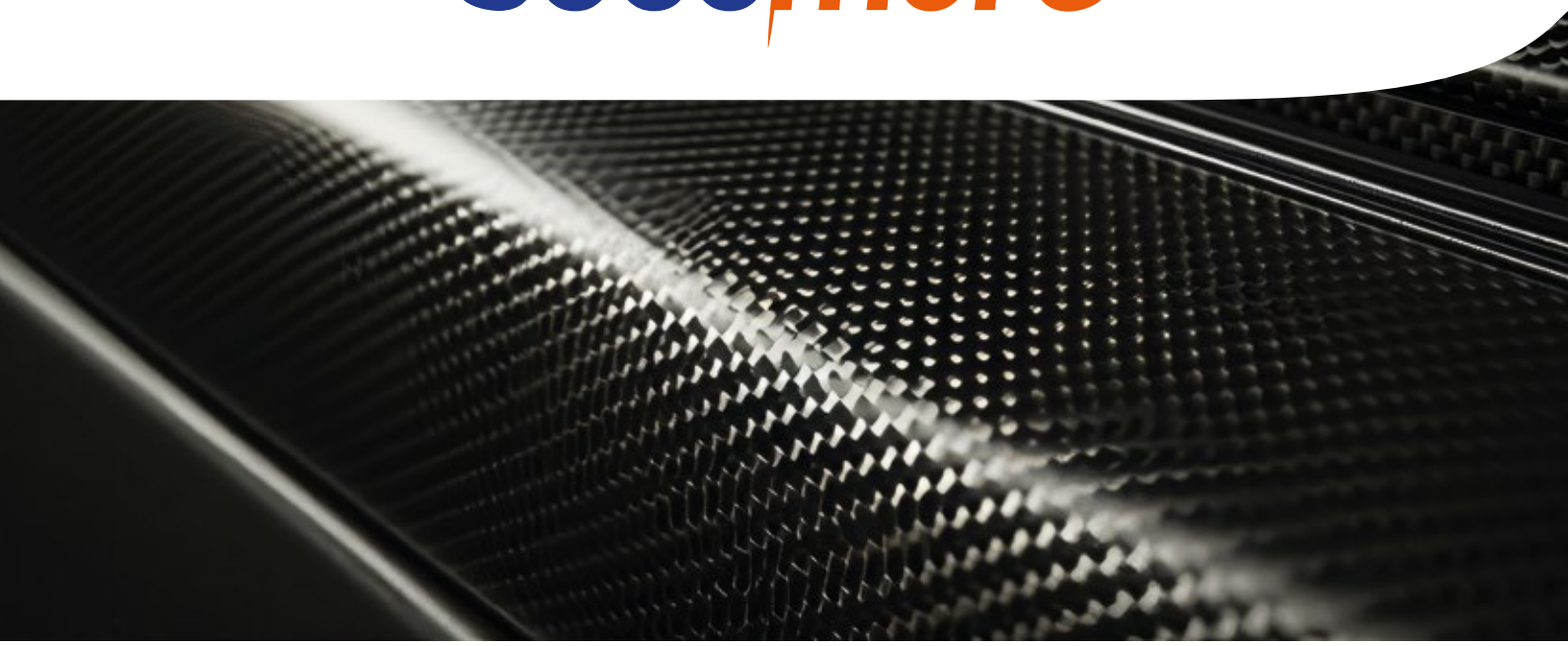
socomore



Solutions for composites

Chemicals and solutions for composite surfaces for all industries

The Surface Company

For more than 50 years SOCOMORE has been developing solutions for surface preparation prior to bonding, assembly and painting. These solutions are historically designed for aerospace manufacturers and maintenance service providers, where our products are renowned for their ability to resolve technical challenges. **They are designed to increase our clients' productivity standardizing operations or reducing cycle times, optimize working conditions and reduce environmental impact.**

Our clients use them to:

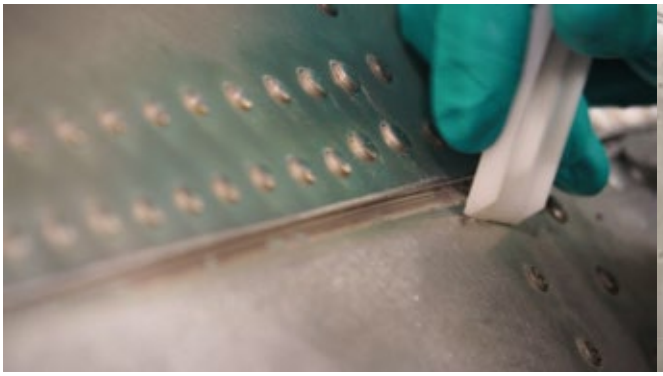
- **clean composite molds** prior and after molding
- **protect** molds and **extend their resistance**
- **prepare the parts' surface** prior to critical operations like sealing, bonding or painting
- **paint composite parts** with functionalized coatings

More than a supplier, SOCOMORE is a **partner** who works with clients to propose complete and reliable solutions. Our R&D, technical and sales teams **adapt to local needs** and **provide assistance** to manufacturers and subcontractors plants.

Surface cleaning and degreasing

- A wide range of high performance industry approved solvent & water-based cleaning solutions to meet critical & general cleaning requirements.
- During the preparation of the mold, in order to remove pollutants such as release agents, wax temporary protections and resin residues.
- For surface preparation prior to bonding, sealant application or painting operations.
- Low VOC, non VOC or 100% plant-based solutions.
- Available in liquid form or pre-saturated wipes to help reduce consumption, standardize cleaning operations, secure storage and offer economic, environmental & safety advantages.

Range : **DIESTONE, SOCOCLEAN**





Paint adhesion promotion

- A complete range of adhesion promoters to improve the paint adhesion and durability on your surfaces.
- Efficient with water or solvent-based, high solids content primers or paints, chromated or non-chromated paint system.
- Colorless or colored to visualise the product when applied.

Range : **SOCOGEL**

Mold protection

- For molds and/or parts to protect against mechanical solicitation, chemical exposure.
- Makes surfaces easier to clean.
- Can be applied on composites or metallic molds.
- Can be used in combination with a release agent during the demolding process to both protect and prolong the life of the mold.

Range : **SOCOGEL**



Scrapers & tools

Mechanical solutions for the quick and easy removal of sealants, adhesives & resins

Range of solutions, tools and equipment for the quick and easy removal of cured, semi-cured and uncured sealants, adhesives, resins and other surface residues typically found in the composite industry:

- Maximize operator comfort & safety
- Extremely efficient & cost effective
- Scrapers can be re-sharpened multiple times, reducing waste

Range : **SKYSCRAPERS, SKYMILL, SKYEDGE**



Coatings

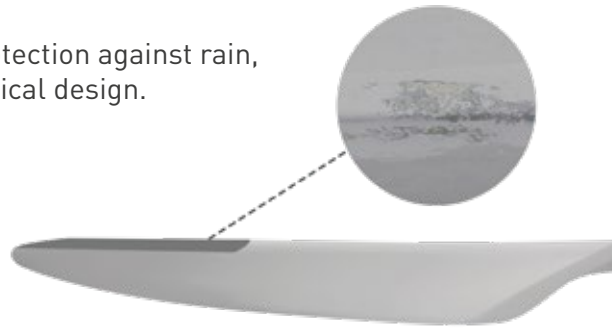
Erosion protection coatings

For the aerospace market Range : CHEMGLAZE,LBYH, PRIAM, SOCOGLAZE EPC

- Full range of solvent based, water based primers & topcoats to answer customer needs.
- High performance coatings to prevent abrasion, sand & rain erosion.
- Increase in-service lifetime.
- Available with additional functions such as conductivity.

For wind blade protection SOCOBLADE LEP 220 & 220H

SOCOBLADE LEP 220 & 220H provide strong and durable protection against rain, sand, hail and other particle erosion with its innovative chemical design.



- A 3 layer system providing high performance protection
- Suitable for use on all substrates and models of blades
- Optimized for wind turbine field repair application

Primers & Topcoats * Range : AEROGLAZE, PCEH, SOCOGLAZE

- Long term protection for structural and non structural parts.
- Overcoatable primers with environmental and chemical resistant topcoat.
- Full range of solvent based, water based primers to answer customer needs.
- OEM approved primers / topcoat.

UltraConductive coatings * Range : ULTRACONDUCTIVE

- Coatings for lightning strike protection.
- Provide a 55% direct weight savings, as compared to using copper expanded foils, reducing OEMs material and labor costs.
- A smooth finish, reducing the use of primer and paint to correct the poor surface finish as seen with expanded copper foil's perforations.
- Faster and easier repair which keeps your fleet ready for flight.

Intumescent coatings Range : SOCOGLAZE INTUMESCENT

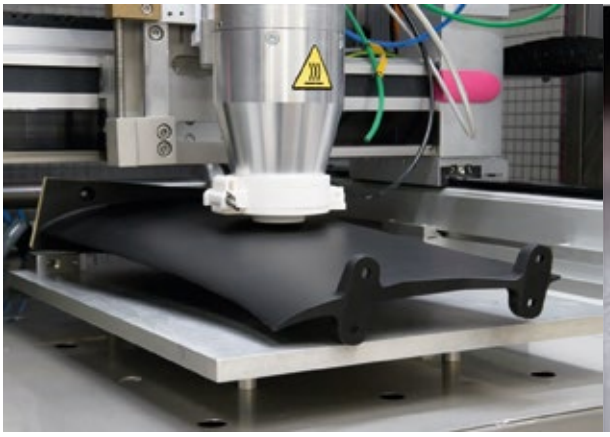
- For protection of composites against fire, in the case of hidden fire or post-accident.
- High temperature resistance, humidity resistance and resistance to chemically aggressive environments.
- Thermal insulation superior to 150°C between the exposed and the back side of the structure once activated.

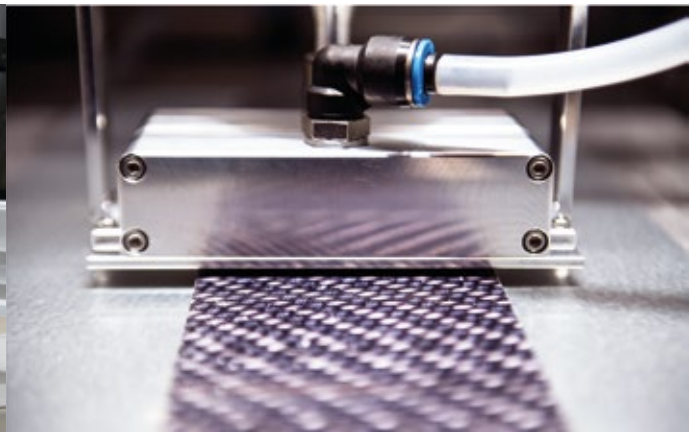
**Only for the aerospace market*

Innovative technologies

Surface functionalization

Molecular Plasma Group and **SOCOMORE** partnered to deliver solutions for composite material functionalization, surface finishing, and solvent-based primer replacement. MPG's cold atmospheric plasma enables single-step grafting of organic chemistry on any substrate at room temperature with little or no solvent, while SOCOMORE formulates and supports certification of the functional chemicals.





Tracing

SOCOMORE Tracing by Olnica traceability solution ensures that the **right component** is at the **right place** in the **right quantity** during production process and provides **invisible marking on or inside the composite** thus constituting a real "biometric passport".

- **Product securization for anti-fraud**
- **Process control & recycling**
- **Product identity & data management**

Bonding

SOCOMORE and KEOL are joining forces to offer a comprehensive, end-to-end solution for critical industrial applications: **technical adhesives including UV-cured adhesives and structural bonding**, also covering precision **dispensing machines**, and **subcontracting services** supported by technical know-how.



Customer story

How SOCOGEL MSP can reduce your mold maintenance operations

INITIAL SITUATION:

Our customer designs and manufactures large-scale molds (in composite, Invar or steel) for various industries, including aeronautics, automotive and energy. They needed an easy to implement solution to extend their mold life time and reduce their maintenance at customers.

OUR SOLUTION:

SOCOGEL MSP

SOCOMORE developed a chrome-free sol-gel solution to be sprayed on the bottom of the molds. This facilitates demolding of parts, eases the molds cleaning and prolongs the lifetime of the molds.

MAIN BENEFITS:

- Mechanical & chemical protection (solvents, acids)
- Time saving: less preparation and cleaning between part demolding and quicker demolding (less adhesion)
- Molds and caul plates are more durable and stronger (50 part molding cycles)

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SURFACE PREP, & TREAT. | COATINGS | NDT | SHIMS & SEALANTS | HYGIENE & DISINFECTION

Supporting our customers worldwide is our priority. We have sales and technical teams, subsidiaries and strategic partnerships located around the world to service our customer's needs.

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