socomore



Solutions for the automotive market

The Surface Company

SOCOMORE has 50 years' experience

in developing solutions for surface treatment and preparation prior to bonding, assembly and painting. These solutions are designed for the automotive, railway and aviation markets as well as for metal and energy related industries.

Our products are renowned for their ability to resolve technical challenges on automotive painting and assembly lines throughout the world. They were designed to increase our clients' **productivity**, to **optimise working conditions** or to reduce **environmental impact**.

- Short and long-term protection of parts and vehicles during storage
- Improvement of paint adherence on all surfaces and materials
- Reduction of non-conformities due to poor surface preparation
- Assembly and mounting operations on the lines made easier
- Paint-stripping with NMP-free products, suitable for the removal of multiple layers of paint

More than just a supplier, **SOCOMORE** is a partner who works with their clients to research complete and reliable solutions. Our **R & D, technical** and **sales** teams adapt to local needs and help with the introduction of our products in automobile manufacturers' plants and in their **subcontractors'** plants.

Advantages of pre-saturated wipes

Our wipes are saturated with just the right amount of solvent or water-based solutions to standardise operations and offer economic, environmentally friendly and safe alternatives compared to bulk liquids.

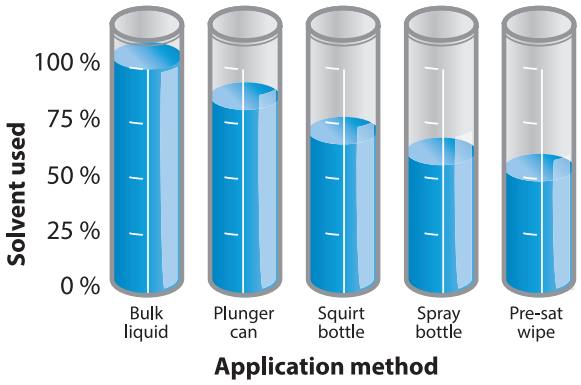
OUR WIPES ELIMINATE THE USE OF BULK LIQUIDS & STANDARDISE SURFACE PREPARATION OPERATIONS

- Up to 50 % reduction in solvent use
- Improvement in quality and performance of production lines

- Reduction of VOC emissions
- Reduction of fire risk
- Decrease in waste
- Improvement of working conditions
- Optimisation of issues related to transport and storage of dangerous liquids

REDUCED OPERATING COSTS

Solvents reduced by 50% through using pre-impregnated wipes



Pre-saturated wipes range

Surface cleaning

Surface cleaning and degreasing operations.

Removal of excess sealant and surface contaminants such as grease, glue, temporary protections, dust, etc.	Non-woven viscose apertured wipe	Smooth surface	**SOCOSAT E**
	Smooth pulp wipe/ non-woven polyester	Rough surface	**SOCOSAT L**
	Smooth microfilament polyester wipe/ non-woven polyamide	Abrasive surface	**SOCOSAT G**

Surface preparation

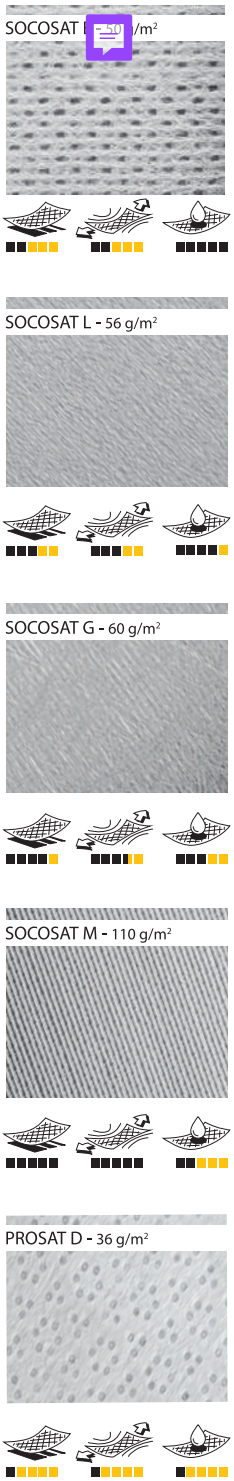
Preparation of surfaces prior to bonding, sealant application or painting operations.

Preparation of surfaces before bonding and sealant applications	Non-woven viscose apertured wipe	Quick drying structure	**SOCOSAT E**
Surface preparation prior to painting	Smooth microfilament polyester wipe/ non-woven polyamide	Low lint	**SOCOSAT G**
	Non-woven embossed polypropylene wipe	Extremely low lint on smooth surface	**PROSAT D**
	Smooth knitted polyester wipe	Lint free	**SOCOSAT M**

Final cleaning

Optimal finish.

Reduction of static and redeposition of particles	Non-woven embossed polypropylene wipe	Extremely low lint on smooth surface	**PROSAT D**



For more information please see the product technical data sheet.
To see our complete range of pre-saturated wipes, go to **www.socomore.com.**

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Pre-saturation solutions

Surface preparation

Cleaning/degreasing of surfaces prior to bonding, sealant application or painting operations.

Application	Cleaner	Volatility	Production control/maintenance	Product
Surface preparation prior to bonding, paint, sealant application	100 % VOC solvent	****	-	**SOCOSOLV FD+**
		***	Yes - UV tracer	**SOCOSOLV FD UV**
	70 % VOC solvent	***	-	**DIESTONE DLV**
	30 % VOC solvent	**	-	**SOCOCLEAN A2501**
		**	Yes - UV tracer	**SOCOCLEAN A2501 UV**
Pre-paint cleaning of plastic and composite parts	VOC-free water-based	*	-	**SOCOCLEAN V2477**

Volatility : **** very high *** high ** good * average

All of our pre-saturated wipes can be supplied with raw materials such as isopropyl alcohol (70/30, 85/15 & 100 %), ethanol, heptane, etc.

Surface cleaning

Surface cleaning and degreasing operations.

Application	Cleaner	Flash point	Product
General cleaning and degreasing	VOC-free solvent	99 °C (210°F)	**DIESTONE ZERO HD**
	VOC-free water-based	N/A	**SOCOCLEAN ZERO AP**
	100 % VOC solvent	30 °C (86 °F)	**DIESTONE DLS**
Removal of excess fresh/uncured sealant, glues, adhesive tapes	70 % VOC solvent	40-50°C (104-122°F)	**DIESTONE DLV**
	VOC-free water-based	N/A	**SOCOCLEAN ZERO APC**

Inter-operation cleaning

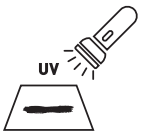
Application	Cleaner	Instructions for use	Product
Removal of heavy contaminants such as waxy and oily protective coatings, grease and oil	VOC-free liquid solvent	Application in bath	**HYSO 93**
	VOC-free gel solvent	Water rinseable	**SOCOSOLV A3582**

Customer stories

INITIAL SITUATION:

SOCOMORE's expertise was requested by a company specializing in electric car assembly, in order to find a solution for reducing the number of non-conformances in their surface preparation cleaning process before critical bonding.

OUR SOLUTION:
→ SOCOSOLV FD UV



The SOCOSOLV FD UV, a new Fast Dry solvent-based cleaning solution with UV tracer which allows the quality team to visualize the areas where the product has been applied under a UV lamp.

MAIN BENEFITS:

- Allows direct verification on the line or several months after application.
- Two in one product that doesn't lengthen the surface preparation process.
- Fast drying and maintains the adhesion properties of the surface.

INITIAL SITUATION:

Our customer, a European car manufacturer, wanted to standardize operations, reduce cycle time and at the same time improve working conditions on the assembly line.

OUR SOLUTION:
→ SOCOCLEAN A2501



To provide an alternative to the 100% VOC solvent, self-impregnated cotton rag with plunger cans, SOCOMORE designed a ready-to-use roll of 65, 15x28 wipes used with a self-closing plastic canister.
Thanks to SOCOCLEAN A2501's cleaning properties and the Socosat E's premium apertured cloth, our solution offers a real benefit in terms of health, safety and improved working conditions.

MAIN BENEFITS:

- Drastically reduces the quantity of solvent & VOC site emissions.
- No risk of accidental spillage of flammable liquids.
- Standardized, consistent performance results in reduced reworking operations.

INITIAL SITUATION:

Our customer, a major European car manufacturer had to stop using heptane for pre-bond cleaning in order to respect exposure limit constraints without impacting quality and cycle time: must be done right the 1st time and every time.

OUR SOLUTION:
→ SOCOSOLV FD+



The SOCOSOLV FD+, a thin & high 'release capacity' textile, saturated with a high evaporation rate solvent-based solution, ensuring the right volume of solvent applied on the surface which guarantees a perfectly clean surface in a short time.

MAIN BENEFITS:

- Safer EH&S solution.
- No impact on process and subsequent steps.
- Ready-to-use surface preparation product

Packaging

Various packaging options are available to facilitate ease of use and on-site storage.

- Refillable canisters and buckets which can be re-used, reducing waste and environmental impact.
- Flat packs of pre-cut wipes to reduce the amount of fibers on the surface from cutting. Small format flat packs, suitable for automatic dispensers which improve stock control and reduce usage.
- Single use buckets avoid the logistics of returning packaging.



We provide a complete product - the right solution, on the right cloth, in the right format - in a practical container.

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Ranges for the preparation and protection of parts, assembly and repairs

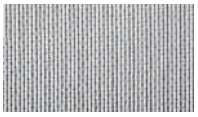
Dry wipes

Complementary range of dry wipes for surface wiping, cleaning, preparation and polishing.

Application	Cloth type	Weight	Structure	Product
Wipe off	Knitted polyester	130 g/m²	Smooth	**POLYWIPES**
	Pulp/non-woven polyester	70 g/m²	Crepe	**SONTARA EC**
Excess sealant removal	Viscose/non-woven polyester	56 g/m²	Apertured	**SOCOWIPES VP50**
Cleaning painting tools	Knitted polyester	240 g/m²	Embossed	**QUILTEC**(1)
Polishing and finishing	Polyester microfibre/stitched edge polyamide	325 g/m²	Microfibre loop	**SOCOSHINE**

(1) Product manufactured by SOCOMORE as part of our collaboration with Contec.

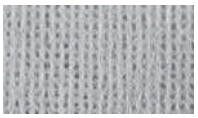
POLYWIPES



SONTARA EC



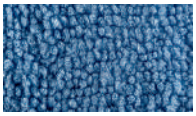
SOCOWIPES VP50



QUILTEC



SOCOSHINE



Water-based lubricants

For the protection of parts during assembly, forming and drawing operations.

Facilitates the mounting/ dismounting of tyres	Liquid lubricant/Aerosol	Spraying	**SOCOLUB V0690** (MICHELIN)
	Gel lubricant		**SOCOLUB V0692**
Lubrication of metal/rubber interfaces	Lubricant used as a slipping agent for elastomers	Brushing	**SOCOPROTEC V0683** (PSA)

Surface cleaning

For cleaning automobile bodies and parts.

Water rinseable cleaner	Immersion or high-pressure cleaner	**SYNCLAIR A/C**
Cleaner/Descaler	Spray washing machine or immersion cleaner	**SOCOCLEAN T3430**

Paint stripping

Liquid and gel paint strippers. Free from phenol, chlorine, NMP, hexavalent chrome.
For removing all types of paint including acrylic, epoxy, polyurethane and urethane alkyd paint systems.

Liquid paint stripper	High performance alkaline activated	Suitable for all metal alloys	Bath T°: 80-115 °C (176-239 °F)	**KEMSTRIP 600**
	High performance acid activated	Suitable for all alloys, except high strength steel	Bath T° : ambient	**SOCOSTRIP A4512**
Gel paint stripper	High performance acid activated	Suitable for all alloys, except magnesium, cadmium-plated or high strength steel		**SOCOSTRIP A0212 SR**

Paint adhesion promoters

Sol-gels.
Chrome-free solution for metal and composite surfaces to reinforce paint adhesion.

Coloured	On aluminum, titanium, stainless steels and painted surfaces	**SOCOGEL B0202 BLUE**

Surface protection

Temporary protection coatings (TPC). Washable and peelable coating for protecting surfaces from scratches and corrosion during storage or transport.

Metallic surfaces	Peelable	-	**PELLICAL 119C**

Corrosion inhibiting compounds (CIC)*.
Waterproof and anti-corrosion protection for materials, spare parts and assemblies. For application on metallic surfaces, painted or unpainted composites, as a physical, chemical and environmental protection.

Medium-term temporary protection	Oily waterproof film	**WADIS 24/60**
Long-term temporary protection	Waxy waterproof film	**SOCOPAC 65H**

Aluminium surface treatment

Complete range of REACH compliant products, designed for aluminium surface treatment lines, and associated with the anodization and chemical conversion processes.

Degreasing	• Borate and silicate free • Efficiently removes contaminants, such as cutting, forming and drilling lubricants, • Optimisation of bath life (+30%) • Suitable for spraying thanks to its anti-foam additive	**SOCOCLEAN A3432**
Deoxidation/Desmutting	• Chrome and fluoride free • Suitable for sheet and cast metal and profiles. • Stable attack rate, including during bath ageing	**SOCOSURF A1858/A1806**
Cr(III) conversion, sealing after anodization	• Suitable for all aluminium alloys • For use in a bath, or in two baths to obtain superior anti-corrosion and paint adherence results on copper-rich combinations.	**SOCOSURF TCS SOCOSURF PACS**

*Certain products are not available in all areas. Please contact your local representative.
Please see the product's technical data sheet for approvals and characteristics.
To see our complete range, please go to **www.socomore.com**

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Complementary ranges

socomore The Surface Company

Complete solutions, from surface cleaning to pre-treatment **before assembly, painting & bonding** on metallics, composites or plastics.





Functionalized coatings for **use on exterior leading edges, rotary parts & equipments.**

A wide range of non-destructive testing (NDT) products, materials and services **for penetrant & magnetic testing.**





Epoxy-filled resin compounds & Sealants for **metal & composite assemblies in land, air and sea applications.**



Highly certified and respectful cleaning and disinfection products **for hands and surfaces.** Alcoholic or plant based solutions **for industrial and everyday use.**

Companies we work with

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Supporting our clients throughout the world is a priority for us. We have sales and technical teams, subsidiaries and strategic partners throughout the entire world to meet our clients' needs.

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