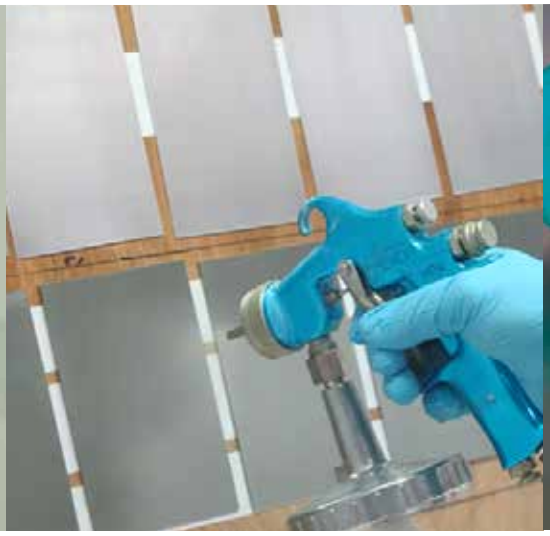
socomore







SOCOGEL

Adhesion promoter and functional coating

The Surface Company

SOCOGEL Technology

For more than 50 years, SOCOMORE has been offering a wide range of solutions for preparing and protecting metal and composite surfaces.

Our R&D team has developed sol-gel technologies to reinforce the adhesion properties of paints and bonding systems, and offer new coating solutions.

SOCOGEL technology replaces both **chromate and non-chromate conversion coatings** prior to painting. It enhances **paint adhesion** and **corrosion resistance** while simplifying surface preparation. Paint in one continuous process **without the need to rinse.**

What are sol-gels?

Socomore's sol-gels are water based metal alkoxide solutions that form a cured network through a hydrolysis and condensation reaction. They have been developed from the Airbus and Boeing patents for which Socomore owns a global licence.

They can be used on organic, metallic and mineral surfaces:

- As an adhesion promoter for paint or bonding systems;
- As a coating with anti-scratch, anti-erosion, anti-soiling and easy-to-clean properties;
- As aesthetic coatings, with or without anti-corrosion properties.

Benefits:

- Enhances paint adhesion and anti-corrosion performance
- Reduces process time
- Ready to paint after application/drying
- Safely use sol-gel in all maintenance workshops
- Environmentally friendly (chrome-free)
- Approved by major OEMs (Airbus, Boeing, Dassault, etc.)

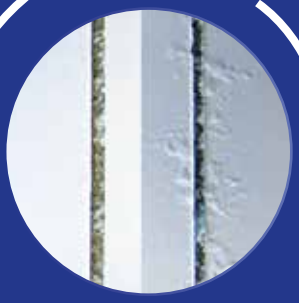
EXAMPLES OF APPLICATIONS:

Corrosion resistance (salt spray test)



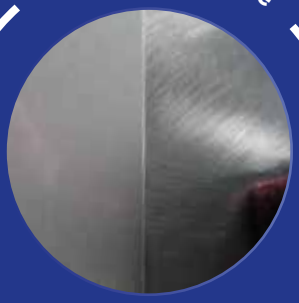
WITH/WITHOUT SOCOGEL

Filiform corrosion



WITH/WITHOUT SOCOGEL

Abrasion resistance



WITH/WITHOUT SOCOGEL

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Applications & product range

SOCOGEL characteristics:

- Hexavalent chromium free
- Low VOC content
- Two component formula
- Available in different packaging sizes
- Available in colorless or colored version (to make application area visible)

Can be applied to:

- Metallic substrates: aluminium, titanium, nickel cobalt alloys, stainless steel
- Composite substrates
- Mineral substrates
- Organic coatings (primary type epoxy-based)

Preferably applied by spraying, pre-saturated wipes, touch-up pen



SOCOGEL range overview
Main properties and substrate compatibility

Our products	Adhesion promoter	Anti-corrosion property	Anti-scratch anti-abrasive properties	Prior to bonding	Prior to painting	Metallic substrates	Composite substrates	Mineral substrates	Organic coating
SOCOGEL B0102	X			X		X	X		
SOCOGEL B0202	X				X	X	X		
SOCOGEL B0202 BLUE	X				X	X	X		
SOCOGEL A0203 BLUE	X				X	X	X		X
SOCOGEL A0104	X	X	X		X	X		X	

The use of SOCOGEL often requires a surface preparation that is carried out with aqueous or solvent-based degreasers and/or acid type deoxidizers. Socomore offers specific complementary ranges: **DIESTONE, SOCOCLEAN** and **SOCOSURF.**

For localized rework or small area treatments, discover the **SOCOGEL Touch-up Kit**.



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SOCOGEL touch-up kits

Make paint touch-up easier and safer.



- Safely use sol-gel in all maintenance workshops
- Ready to paint after application/drying, without rinsing
- One pen can be used for 12 hours and 100+ repairs

Applications:

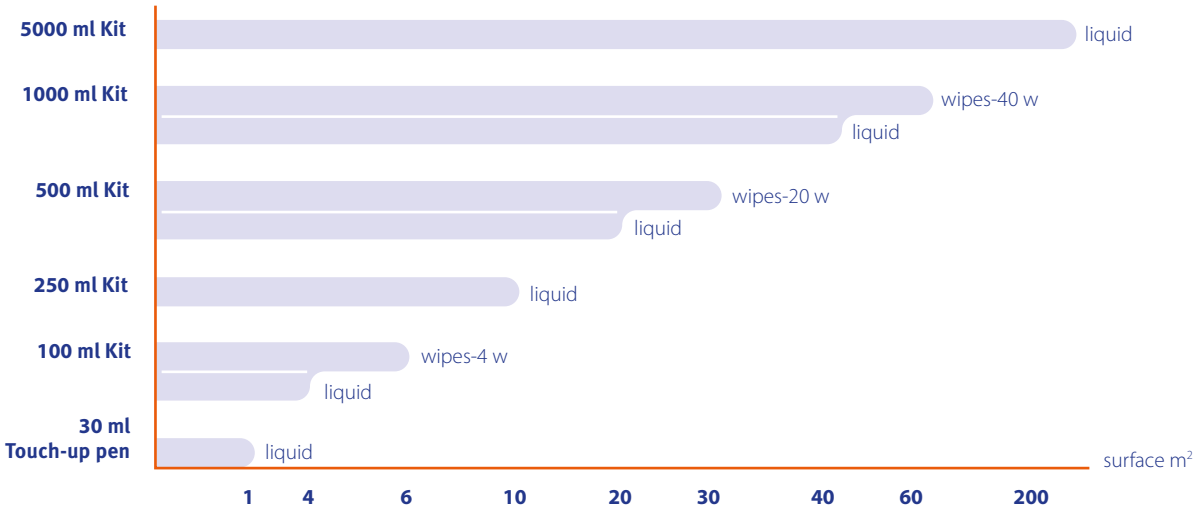
- "C check" repairs on exterior fuselage
- Repair & rework in paint shop
- Repair & rework in metal processing
- General maintenance operations on metallic, organic, or mineral substrates

Available for:

- SOCOGEL A0203 Blue
- SOCOGEL B0202 Blue
- SOCOGEL B0202
- SOCOGEL B0102

Optimized packaging for all applications.

Choose the right packaging size for your application and reduce waste.
Liquid or wipe formats available:



The SOCOGEL range has many OEM approvals:
Airbus – Boeing – Dassault – Airbus Helicopters – Alstom – and many more.

ASIA
Email: asia@socomore.com
Phone Asia Pacific: +60 014 226 0985
Phone China: +86 21 58131133 190
Phone Japan: +81 45 620 3567

IRELAND - UK
Email: ireland@socomore.com
Phone: +353 214 889922

USA - MEXICO
Email: csr-na@socomore.com
Phone: +1 817-335-1826
Buy online: store-us.socomore.com

CANADA
Email: csr-ca@socomore.com
Phone: +1 604-420-7707
Buy online: store-ca.socomore.com

SOUTH AMERICA
Email: south-america@socomore.com
Phone: +55 (11) 96660-7169

ALL OTHER COUNTRIES
Email: europe@socomore.com
Phone: +33 (0)2 97 63 05 01

Distributor:

www.socomore.com

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