

Approvals and conformities

THALES GLOBAL SERVICES

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SOCOSURF TCS COLORED is a ready-to-use conversion coating solution for aluminium. It enhances corrosion protection and paint adhesion and the surface layer remains electrically conductive.

SOCOSURF TCS COLORED is an alternative to Chromium VI solutions for touch-up applications. It's a trivalent chrome chemistry that creates a visible, purple coating.

Advantages / Benefits

- Hexavalent chrome free - REACH compliance
- Easy to use, for touch-up and repair applications
- Coloured solution makes the surface treatment process visible:
 - during application : to control the process.
 - after application : for quality inspection and damage identification.
- Provides Neutral Salt Spray corrosion resistance
 - SOCOSURF COLORED stand alone
 - On 5xxx, 6xxx alloys: 168 hours
 - On 2024 T3: 96 hours
 - SOCOSURF TCS COLORED + SOCOSURF PACS post-treatment
 - On 2024 T3: 168 hours
- Provides adhesion promotion

SOCOSURF TCS COLORED is available in ready-to-use pen (35 mL) and ready-to-use solution (1L bottle & 5 L drum).



USES

SOCOSURF TCS COLORED is used to locally apply a conversion coating on bare aluminium after surface preparation or to locally seal an anodized aluminium surface.

Performances :

- Corrosion protection according NSST ASTM B117 (96 - 168 hours stand-alone neutral salt spray)
- Electrical conductivity: meets the requirements of MIL-DTL-81706B Type II Class 3, before and after salt spray on Al 6061-T6.
- Paint adhesion (ISO 2409) on chromated solvent and water based paint and on Chrome free solvent based paint
 - dry adhesion : grade 0 (equivalent to ASTM D3359 grade 5B)
 - after 14 days water immersion : grade 0 and 1 (equivalent to ASTM D3359 grade 5B)

DIRECTIONS FOR USE

SOCOSURF TCS COLORED can be applied with the SOCOMORE touch-up pen or with your own application tools. Please refer to the [application guide](#) for process.

TECHNICAL CHARACTERISTICS

Appearance	Purple liquid
Specific gravity	1
pH	3-5

2/3

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PRECAUTIONS FOR USE AND STORAGE

SOCOSURF TCS COLORED must be transported and stored without freezing.

For more information about the product dangers, please consult the safety data sheet in accordance with local regulation.

For professional use only.

This technical data sheet replaces and cancels the previous one.

The above details have been compiled to the best of our knowledge. They have, however, an indicative value only and we therefore make no warranties and assume no liability in connection with any use of this information, particularly if a third party's rights are affected by the use of our products. The above information has been compiled based upon tests carried out by SOCOMORE. All data is subject to change as Socomore deems appropriate. The data given is not intended to substitute for any testing you must conduct in order to determine the suitability of the product for your particular purposes.

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