

SOCOSURF TCS COLORED RTU / SOCOSURF PACS RTU

READY TO USE SOLUTION FOR LOCAL APPLICATION OF CONVERSION

Technical Data Sheet

Approvals and conformities

THALES GLOBAL SERVICES

16261906-024

SOCOSURF TCS COLORED RTU/ SOCOSURF PACS RTU is a 2 steps ready-to-use solution for a visible conversion coating solution for aluminum.

It provides the surface with a robust corrosion protection and paint adhesion and the surface layer remains electrically conductive.

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

SOCOSURF PACS RTU is an optional post-treatment solution that **reinforces the SOCOSURF TCS COLORED layer.**

Advantages / Benefits

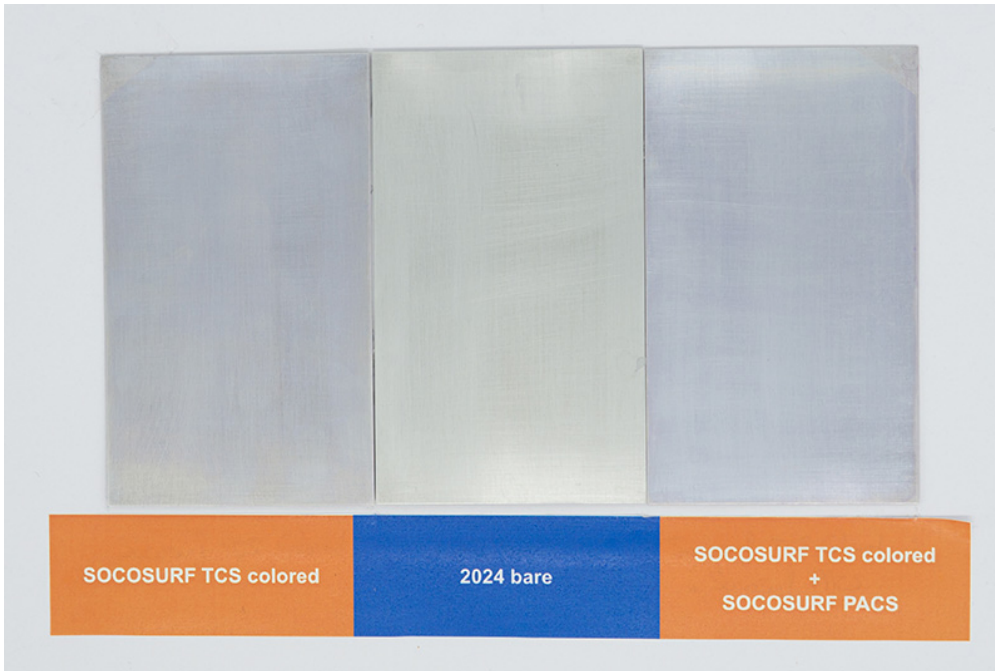
Hexavalent chrome free - REACh compliance

- Colored solution makes the surface treatment process visible:
- during the application, to control the process.
- after application, for quality inspection and damages identification.
- Provides robust corrosion protection on aluminum alloys sensitive to corrosion.
- Provides adhesion promotion

The solutions are ready-to-use, do not require any mixing or pH adjustment before use. They are used to locally apply a conversion coating or to locally seal anodized layers for touch-up and repair applications.

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

SOCOSURF PACS RTU is available in ready-to-use jerrican (200 mL).



USES

For conversion coating application :

Corrosion protection according to NSST ASTM B117

1 step process : SOCOSURF TCS COLORED RTU stand alone

- On 5xxx-6xxx alloys : 168 Hours
- On 2xxx-7xxx alloys : 96 Hours

2 steps process: SOCOSURF TCS COLORED RTU + SOCOSURF PACS RTU

- On 2xxx-7xxx alloys : 168 Hours

Electrical conductivity :

- Meets the requirements of the MIL-DTL-81706 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)
- Wet adhesion : grade 0 and 1 after 14 days water immersion : (equivalent to ASTM D3359 grade 5B)

DIRECTIONS FOR USE

SOCOSURF TCS COLORED RTU can be applied with the SOCOMORE touch-up pen or with your own application tools.

SOCOSURF PACS RTU can be applied by wiping with your own equipment.

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SOCOSURF TCS COLORED RTU / SOCOSURF PACS RTU_EN_2024-03-18_EC-FS

Please refer to the [application guide](#) for process.

TECHNICAL CHARACTERISTICS

	SOCOSURF TCS COLORED	SOCOSURF PACS RTU
Appearance	Purple liquid	Clear liquid
Specific gravity	1	1
pH	4	3
Shelf life	6 months	1 year & 1 month after opening

PRECAUTIONS FOR USE AND STORAGE

SOCOSURF TCS COLORED RTU and **SOCOSURF PACS RTU** must be transported and kept away from frost and up to 30°C (86°F).

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.

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