

PROSURF

Metal treatment to prevent hydrocarbons fouling and buildup

Prosurf is a high-performance surface agent that prevents hydrocarbons from binding to treated surfaces.

This easy-to-apply surface treatment combats the clogging of viscous hydrocarbons such as paraffin and asphaltene, making it an essential for all metal surfaces where durability and reliability are key factors.



Prosurf's outstanding performances ensure that all types of hydrocarbons (crude oil, bitumen, paraffin, asphaltene) simply slide off the surface

If you're looking to prevent hydrocarbons contaminations on pipes, tanks, valves and sensors, then Prosurf is the product for you. It is a must-have for metals and alloys.

The result of Prosurf Treatment?

- Long-term improvements of accuracy and reliability,
- Substantial savings on maintenance costs.

Prosurf has become a go-to solution across the oil and gas industry, where it is used to protect all type of sensors (Coriolis meter, turbine meter, others) and valves, helping foster durability and reliability as well as cutting maintenance costs.

OVERVIEW

Effective:

Prosurf boasts an outstanding ability to prevent hydrocarbons from adhering to practically all the materials employed within the oil and gas industry.

Benefits:

- Reduced maintenance costs
- Increased accuracy and reliability of sensors
- Improved instrumentation lifespan

Easy to Apply:

Prosurf is a turnkey product – simply apply by spraying, dipping, flushing,

flooding or wiping. The instrument is ready to use as soon as the surface has dried in less than 30 seconds.

Reliable:

Prosurf forms an ultra thin and invisible monolayer with strong chemical bounds to the surface that make it resistant to harsh environment

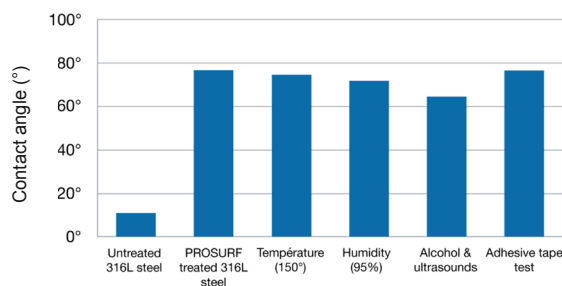
Resistant:

The coating delivers excellent long-lasting resistance to oil, solvents and detergents up to 150°C (300°F).



PERFORMANCE

The chart below demonstrates Prosurf's hydrocarbon-repellent credentials by measuring oil contact angles on coated materials.



Oil contact angles on stainless steel treated with Prosurf before and after ageing tests.

Prosurf continues to demonstrate outstanding performances even following exposure to deleterious conditions. Prosurf surface treatment survives some of the harshest environments in industry.

COMPATIBLE MATERIALS

- Metals: copper, aluminum;
- Alloys: Stainless steel (304L, 316L; 100C6, 410), mild steel, galvanized steel, carbon steel;
- Minerals: glass, SiO₂, germanium, sapphire.

PHYSICO-CHEMICAL PROPERTIES

Surface Tension	13 +/- 2 dyn.cm ⁻¹
Aspect	Clear Colorless
Flash Point	None
Boiling Point	76°C
Freezing Point	-135°C
Density at 25°C	1.4
Ozone Depletion Potential	0
Global Warming Potential	55
Atmospheric lifetime	0,8 years

PRODUCT INFORMATION



Prosurf is a ready to use product, available in containers of 1L and 3L.

Prosurf is a nonflammable product composed of a chemically active perfluoropolyether compound dissolved in a fluorinated solvent. Prosurf is patented by Surfactis Technologies (patents n° WO2008/017721 and n° WO2017/144480).

Surfactis Technologies is certified according to ISO 9001.

