

EPISURF-Neo®

High performance epilame agent

Episurf-Neo® is a high performance epilame agent. An epilame is a surface agent that combats oil spread by reducing the material's surface tension.

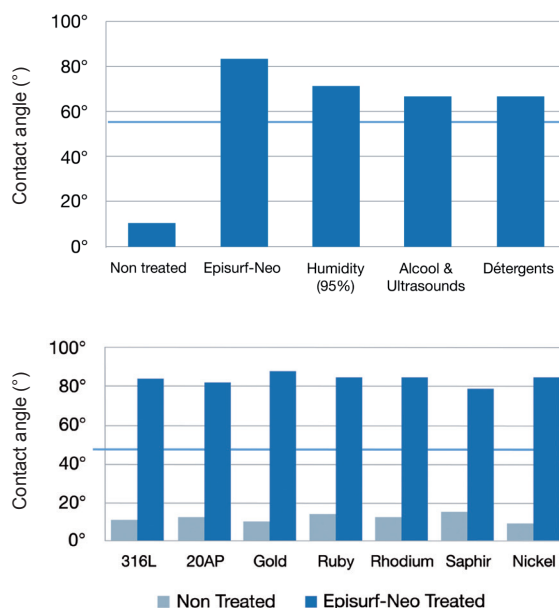
Watch parts treated with Episurf-Neo® present no visual alterations or whitening, and our newly improve product is now more effective than ever, boasting enhanced performances and resistance to washing cycles as well as being environmentally responsible.

 **Surfactis**
Technologies

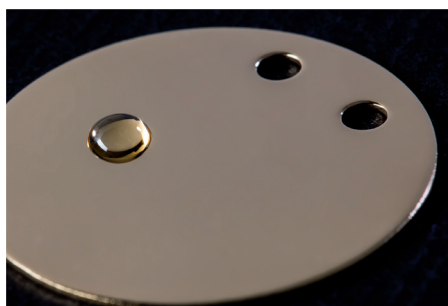
This state-of-the-art epilame product binds to a broad range of materials as a homogenous self-assembled monolayer of constant thickness, making the epilame of choice for the most prestigious watchmakers and repairers both in Switzerland and around the world.

PERFORMANCE

All watch components can be epilamed, resulting in contact angles in the region of 75-80°.



An epilame is considered to be effective when oil contact angles exceed 55° (thin blue line in the charts below).



TECHNICAL PROCEDURE

- Episurf-Neo® is effective on all watch parts surfaces and can be applied following all part washing procedures (involving either solvents or detergents).
- The coating procedure with Episurf-Neo® is easy – simply dip the watch parts for 30 seconds and then air dry at room for less than 60 seconds.
- Application can either be done manually in a container or in a machine (Horotec, Greiner, Elma).

PHYSICO-CHEMICAL PROPERTIES

| | |
|---------------------------|-------------------|
| Surface Tension | 15 +/- 2 dyn.cm-1 |
| Aspect | Clear Colorless |
| Flash Point | None |
| Boiling Point | 110°C |
| Freezing Point | <-90°C |
| Density at 25°C | 1.58 |
| Ozone Depletion Potential | 0 |
| Global Warming Potential | 2,5 |
| Atmospheric lifetime | < 10 days |

PRODUCT INFORMATION



Episurf-Neo® is a ready to use product available in glass bottle of 50mL, 100mL or 1L.

Episurf-Neo® is composed of a perfluoro-polyether phosphonate compound in a last generation fluorinated solvent. Precautions of use are detailed in the Material Security Data Sheet. Episurf-Neo® is a non flammable and non explosive product.

The compound is patented by Surfactis Technologies and is covered by patents n° WO2008/017721 and WO2017/144480.

Surfactis technologies is certified ISO 9001 since 2013.

