



VISIODRY PRO® is a high-performance anti-rain spray that can be applied to all optical and optronic surfaces, guaranteeing perfect images and vision unaffected by adverse weather conditions (rain, snow).

VISIODRY PRO® is the only superhydrophobic and transparent product on the market : water droplets bounce off surfaces without ever wetting them.



	Hydrophobic	Superhydrophobic VISIODRY PRO
Water Contact Angle (WCA)	$<110^\circ$ 	$>155^\circ$ 
Tilt Angle <small>(inclination at which the drop falls from the surface)</small>	$>50^\circ$	$<5^\circ$
Speed of movement necessary to be effective	$>50\text{km/h}$	Effective even when stationary
Fog Removal	Inefficace	Effective
Drying trace	The loaded drops (salt, sand, mud) dry by leaving traces.	Drops bounce off the surface without having time to dry - no traces.

APPLICATIONS

VISIODRY PRO® is effective against water, salted water, rain, fog, snow and mud. It can be applied on the following surfaces :

- Advanced Optical systems (camera, counter UAS)
- Surveillance cameras
- On-board cameras (drones, robots, vehicles)
- Safety glasses and goggles
- Helmet visors
- Vision binoculars
- Screen controls



KEY FEATURES

Effective: VISIODRY PRO® boasts an outstanding water-repellent ability; even the smallest water droplets or snowflakes bounce and roll off the surface. The surface remains always unwet. The water contact angles are greater than 155° and the angle of inclination which eliminate the water drop is less than 5°.

Transparent : VISIODRY PRO® coating does not create image distortion. VISIODRY PRO does not generate haze (< 1,4%), or absorbance in visible and IR range, its general optical transmission SWIR + VIS is ≥ 98%.

Universal : VISIODRY PRO® is effective on a broad variety of materials and top-coats. Its performance is not limited by the shape of the surface.

Temporary : The effect of VISIODRY PRO® lasts more than a month outdoors, and resists several days of immersion in fresh and salt water. The coating can be wiped off the surface and be re-applied as often as needed.

Compatible materials : mineral (Glass, SiO₂, germanium, saphir), organic (PMMA, PE, PP, PC, PET, PU), metal (stainless steel, aluminium, titanium...).

Physico-chemical properties

Surface Tension	15+/- 2 dyn.cm ⁻¹
Aspect	Opalescent
Flash Point	None
Boiling Point	76°C
Freezing Point	-138°C
Density at 25°C	1.5
Ozone Depletion Potential	0
Global Warming Potential	55
Flash point	Non-flammable
Temperature stability	-40°C / +55°C



Volume : 25mL
Surface : 1,3m²

Volume : 50mL
Surface : 1.5m²

INSTRUCTIONS FOR USE

VISIODRY PRO is simply sprayed onto the surface, producing a superhydrophobic, transparent coating.

1. Clean the surface with a dry microfiber.
2. Apply the product on a dry surface.
3. Spray VISIODRY PRO at a distance about 5-10 cm to cover the surface with an uniform layer.
4. Allow to air dry. The surface is superhydrophobic in less than 60 seconds.

PRODUCT INFORMATIONS

- Available in 20mL or 50mL spray.
- Made in France product, patented by Surfactis Technologies.
- VISIODRY PRO has been validated by THALES on ANTARES cameras used on French Army armoured vehicles.
- For more information, visit : www.surfactis.com/en/produits/visiodry-pro/

NSN: 6850-14-605-5382

