

Industrial Glass Protect



Soiling on solar panels could be causing the loss of more than €40 billion worth of energy worldwide.

The accumulation of dirt on solar panels impacts the conversion efficiency of solar modules and drives operational costs for park owners.

Is an anti-soiling coating with hydrophobic characteristics which has been developed and optimized by ChemiTek R&D team to minimize soil dust adhesion and maximize dust removal.

Glass treated with our anti-soiling coating soils less quickly, it is easier to clean and can last for years.

When applied to PV modules they can maintain their optimal performance for longer, with fewer cleaning cycles and less labour.

Additional IGP benefits

- Free from fluorocarbons and other cumulative chemicals that negatively affect environment;
- No titanium dioxide (TiO₂) or any other nanoparticles that may affect human health;
- Environmental friendly (Non-Toxic);
- Faster and easier cleaning, which allow reduced use of consumables;
- Fewer cleaning cycles needed, saving in O&M costs;
- UV resistant and stable, essential in areas with high sun loads;
- Ready to use and easy to apply;
- Short curing time even at room temperature.

Performance table

	Glass	IGP
Transmittance	-	No chance
Water Contact Angle °	43°	105°
Diiodo Contact Angle °	45°	88°
Sand Test 300 cycles - WCA°	-	101°
Temperature Ramp T°=85% H=0% 50 cycles - WCA°	-	104°
UV exposure 300H - WCA°	-	106°
Thermal Cycling Resistance -40°C to 85°C 50 cycles - WCA°	-	104°