














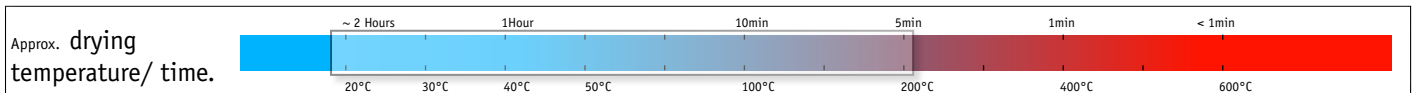
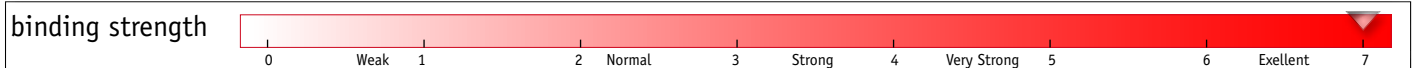


Nano TiO₂, SiO₂ Sol Anti Reflectiv transparent photocatalyst for self-cleaning glass and solar panels

Substrate Applicability:	Feature & Performance:
Stone 	Water purification 
Tile 	Odor Elimination 
Glass 	Super-hydrophilic 
Poly Silicon Iron Glass 	Anti-moss 
Metall 	Air purification 
FTO Glass 	Antimicrobial 
*Fabric 	Self-cleaning 
*Wood 	* Primer might be needed.



Special properties:

- Water/ Alcohol based nano TiO₂/WO₃/SiO₂ sol
- high efficiency
- Excellent degree of dispersion for water and alcohol based system
- room temperature to 200°C drying

Example of application:

- Photocatalytic and Transmittance enhancer for Solar cell glass
- Excellent transmittance on the Poly Silicon Iron Glass & FTO Glass
- Specially higher pencil hardness above 7H
- high efficient Visible Light PCO coating for Selfcleaning on Greenhouses
- Excellent antireflect coating for glass and metal

Usage instructions:

- recommend air mix pressure spraying (HVLP)
- bar coating

Dosage instruction:

- refer to relevant coverage data sheet or product manual 30-50ml/m²

Transport Information

- * refer to relevant (MSDS) Material Safety Data Sheet



Storage stability:

12 months in closed container 5-45°C, dark condition.
Protect solution in opened container from Oxygen.

Avoid freezing! storind above 5°C

Technical Information:

Chemical description: nano TiO₂, SiO₂ sol

• appearance: milky transparent liquid

Active matter content:

TiO₂ 0.5% SiO₂ 2% ± 0.1%

• Water content: 37% ± 1%

• Alcohol content: 60% ± 1%

Specification:

• PH Value: PH 3.5 - 4.0

• primary particle size: 20 nm

• crystal structure: TiO₂ Anatase

• agglomeration index: 8 - 10 %

• density: 1.0075-1.01 g/ml

• Viscosity: 1.0050 mPa.s

• binding strength: Exelent (level 7) H6-7

• Drying time at 25°C

Primary drying time: 30 minutes

Final setting time: 30 days

Registration status:

The ingredients are listed in the following chemical inventories:
CAS, EINECS, TSCA, AICS, CEPA, MITI

Package:

10 L, 25 L, Plastic / Polymer barrel with carton
30 L, 100 L, 200 L Plastic / Polymer barrel

* refer to relevant (MSDS) Material Safety Data Sheet