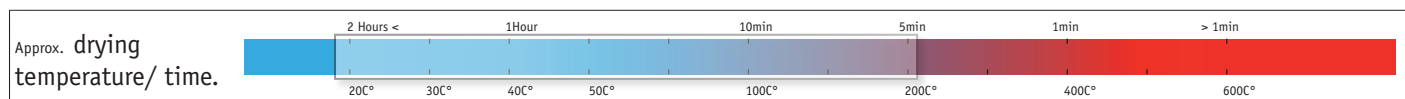
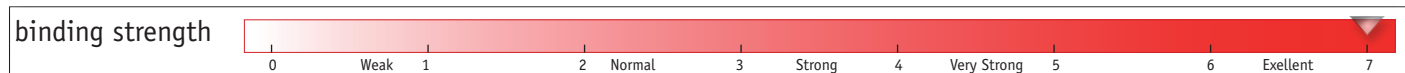


### Nano TiO<sub>2</sub>, SiO<sub>2</sub> Sol Anti Reflectiv transparent photocatalyst for self-cleaning glass and solar panels

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 TiO<sub>2</sub>/WO<sub>3</sub>/SiO<sub>2</sub> sol
- high efficiency
- Excellent degree of dispersion for water and alcohol based system
- room temperature to 200C° drying

**Example of application:**

- Photocatalytic and Transmittance enhancer for Solar cell glass
- Excellent transmittion 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/m<sup>2</sup>

**Transport Information**

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

**Storage stability:**

12 months in closed container under 5-45C°, dark condition.  
Protect Soll in opened container from Oxigen.  
**Avoid freezing!** storind above 5C°

**Technical Information:**

<b>Chemical description:</b>	nano TiO <sub>2</sub> , SiO <sub>2</sub> sol
<b>• appearance:</b>	milky transparent liquid
<b>Active matter content:</b>	<b>TiO<sub>2</sub> 0.5% WO<sub>3</sub> 0.5% SiO<sub>2</sub> 2% ± 0.1%</b>
<b>• Water content:</b>	37% ± 1%
<b>• Alcohol content:</b>	60% ± 1%

**Specification:**

<b>• PH Value:</b>	PH 3.5 - 4.0
<b>• primary particle size:</b>	< 20 nm
<b>• crystal structure:</b>	TiO <sub>2</sub> Anatas
<b>• agglomeration index:</b>	2 - 4
<b>• density:</b>	1.0075-1.01 g/ml
<b>• Viscosity:</b>	1.0050 mPa.s
<b>• binding strength:</b>	Exelent (level 7) H6-7
<b>• Drying time at 25C°</b>	
Primary drying time:	30 minutes
Final setting time:	30 days

**Registration status:**

respectively its ingredients are listed in 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