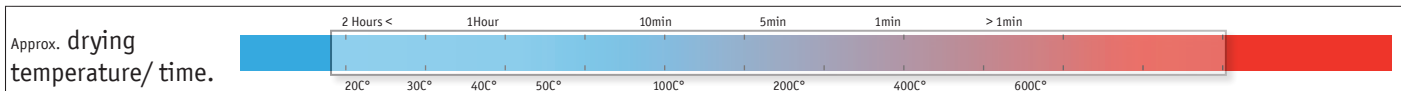




## Platinum doping modified Nano TiO<sub>2</sub> Sol Coating Agent

Substrate Applicability:	Feature & Performance:
Stone	Water purification
Tile	Odor Elimination
Glass	Super-hydrophilic
Plastic / Polymer	Anti-moss
Metal	Air purification
* Facade paint	Antimicrobial
Polymer Fabric	Self-cleaning
* Wood	* Primer might be needed.



### Special properties:

- water-based nano TiO<sub>2</sub> sol
- platinum doping modification, very high efficient
- excellent performance for most applications
- high stability under harsh condition
- no additive, surfactant and binder, suitable for re-processing

### Example of application:

- PCO filter & part coating (good balance for most application)
- PCO water treatment device part coating
- industrial air purification and deodorization coating
- raw material or additive for other commercial PCO product

### Usage instructions:

- recommend air mix pressure spraying (HVLP)
- dipping for irregular items
- mix with binder or other modified active matter

### Dosage instruction:

- refer to relevant coverage data sheet or product manual

### Transport Information

No Transport danger for Air, Sea, Highway and Rail, transportation of dangerous goods

### Storage stability:

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

**Avoid freezing!** storind above 5°C

### Technical Information:

<b>Chemical description:</b>	nano titanium dioxide sol
<b>• appearance:</b>	yellowish transparent liquid
<b>Active matter content:</b>	
<b>• TiO<sub>2</sub></b>	0,75 – 1,0%
<b>• Water content:</b>	98% ± 1%
<b>• Alcohol content:</b>	0%

### Specification:

<b>• PH Value:</b>	PH 7,5 - 10,0
<b>• primary particle size:</b>	< 8 nm
<b>• crystal structure:</b>	TiO <sub>2</sub> Anatas
<b>• agglomeration index:</b>	2-4
<b>• density:</b>	1.02-1.03 g/ml
<b>• Viscosity:</b>	1.0050 mPa.s
<b>• binding strength:</b>	Strong (level 3)

### • Drying time at 25°C

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