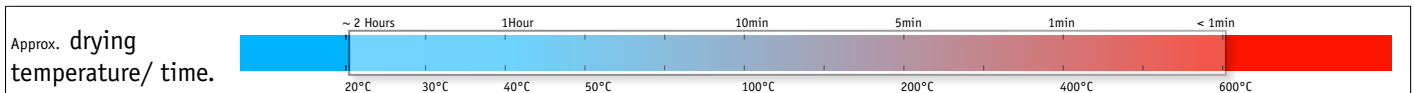
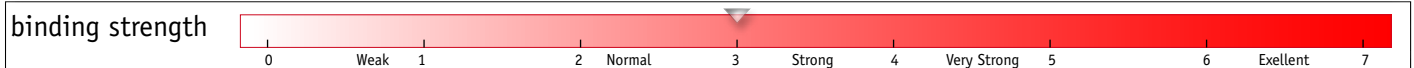


### Visible Light Reactiv Nano TiO<sub>2</sub> Sol Exterior Coating Agent

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



#### Special properties:

- water-based nano TiO<sub>2</sub> sol
- high efficiency
- self-cleaning application optimization
- room temperature to 600°C drying
- Improved binding strenght for exterior application

#### Example of application:

- building exterior self-cleaning coating
- stone surface anti moss coating
- high efficient exterior UV/PCO coating for atmosphere purification

#### Usage instructions:

- recommend air mix pressure spraying (HVLP)
- brush for rough surface
- dipping for irregular surface
- Mixing to produce PCO products

#### Dosage instruction:

- refer to relevant coverage data sheet or product manual  
60-100 ml/m<sup>2</sup> for marble & stone, 30-50ml/m<sup>2</sup> for tile

#### Transport Information

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

#### 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 titanium dioxide sol

• **appearance:** Yellowish transparent liquid

#### Active matter content:

**TiO<sub>2</sub>** 0.75% - 1,0%

• **Water content:** 99% ± 1%

• **Alcohol content:** 0%

#### Specification:

• **PH Value:** PH 7.5 - 10

• **primary particle size:** < 8 nm

• **crystal structure:** TiO<sub>2</sub> Anatase

• **agglomeration index:** 2-4 %

• **density:** 1.0075-1.01 g/ml

• **Viscosity:** 1.0050 mPa.s

• **binding strength:** Strong (level 3)

#### • 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