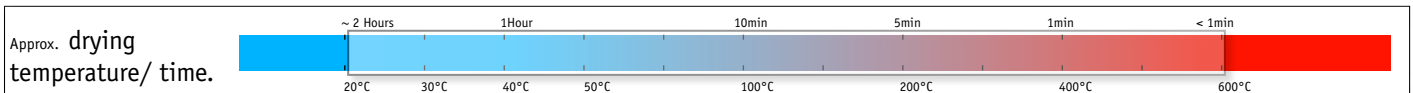


UV Reactiv Nano TiO2 Sol General Coating Agent

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 TiO2 sol
- low cost (economical choice)
- no additive, surfactant and binder, suitable for re-processing
- Improved binding strenght

Example of application:

- ExteriorUV/PCO coating for atmosphere air purification
- economical exterior UV/PCO coating for atmosphere purification
- UV/PCO filter & part coating (especial for deodorization)
- raw material or additive for other commercial PCO product

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/m². for marble & stone, 30-50ml/m². 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:

TiO2 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:** TiO2 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