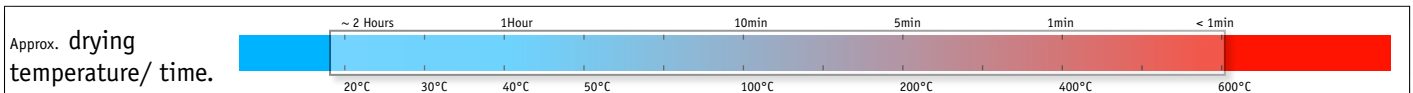


HD Visible Light Response Deodorization & Air Purification Nano TiO₂ Sol Coating Agent

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



Special properties:

- water-based nano TiO₂ sol
- high efficiency
- excellent deodorization & air purification performance
- no additive, surfactant and binder, suitable for re-processing
- improved binding strength

Example of application:

- UV/PCO filter & part coating (especial for deodorization)
- home and public deodorization & air purification coating
- industrial air purification and deodorization coating
- raw material or additive for other commercial PCO product

Usage instructions:

- recommend air mix pressure spraying (HVLP)
- brush for rough surface
- dipping for irregular items
- mix with binder or other modified active matter
- Trigger Spray to use at home, office and car

Dosage instruction:

- refer to relevant coverage data sheet or product manual
25-40ml/m²

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	2,0% – 2,5%
• Water content:	97% ± 1%
• Alcohol content:	0%

Specification:

• PH Value:	PH 7,5 - 10,0
• primary particle size:	< 8 nm
• crystal structure:	TiO ₂ Anatase
• agglomeration index:	2-4 %
• density:	1.02-1.03 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