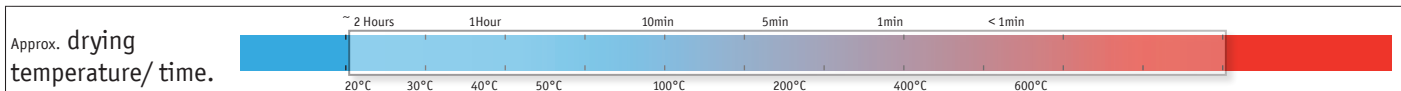




Nano SiO₂ modified TiO₂ Sol Antimicrobial Coating Agent

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
- high performance from anti-bacterial modification
- high performance from anti-viral modification
- improved coating feature on diversified surface
- improved binding strength and room temp. curing
- long life-span formulation

Example of application:

- anti-bacterial & anti-virus fabric coating & treatment
- air filter coating (especial for anti-bacterial & anti-virus)
- home sanitization (for house, cloth, ...)
- public place anti-bacterial coating (hospital, bus, train, school)
- high efficient indoor anti-bacterial & anti-virus coating
- high efficient vegetation anti-bacterial & anti-viral coating

Usage instructions:

- recommend air mix pressure spraying (HVLP)
- brush for rough surface
- dipping for irregular items
- Trigger Spray for home, office and car use

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 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	0.3% - 0,5% / SiO ₂ 0,1%
• Water content:	99% ± 1%
• Alcohol content:	0%

Specification:

• PH Value:	PH 8 - 10
• primary particle size:	< 8 nm
• crystal structure:	TiO ₂ Anatase
• agglomeration index:	2-4 %
• density:	1.0075-1.01 g/ml
• Viscosity:	1.0050 mPa.s
• binding strength:	Very Strong (level 4)

• 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