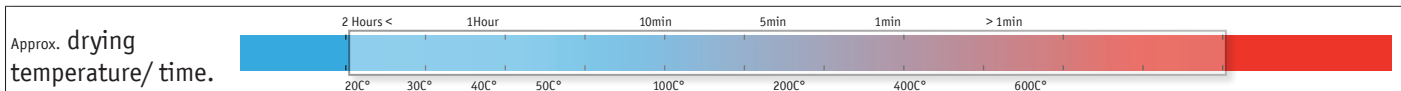




Visible Light Reactiv Nano TiO₂ Sol Exterior Coating Agent

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



Special properties:

- water-based nano TiO₂ sol
- high efficiency
- self-cleaning application optimization
- room temperature to 600C° 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 (HVLV)
- 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 under 5-45C°, dark condition.
Protect Soll in opened container from Oxygen.

Avoid freezing! storind above 5C°

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 Anatas

• **agglomeration index:** 2-4

• **density:** 1.0075-1.01 g/ml

• **Viscosity:** 1.0050 mPa.s

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

• Drying time at 25C°

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