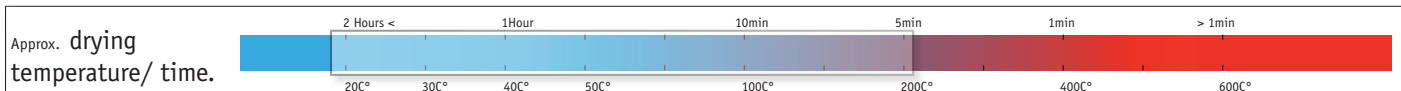
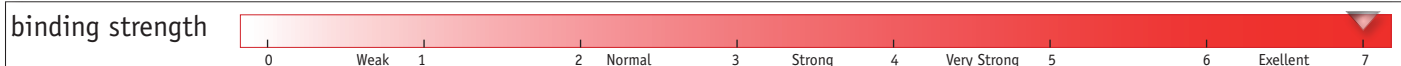


### HD Nano TiO<sub>2</sub>/WO<sub>3</sub>/SiO<sub>2</sub> Sol transparent photocatalyst for self-cleaning Glass & tile

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/ Alcohol based nano TiO<sub>2</sub>/WO<sub>3</sub>/SiO<sub>2</sub> sol
- high efficiency
- Excellent degree of dispersion for water and alcohol based system
- room temperature to 200C° drying

#### Example of application:

- Coatings on the Glass or Tile
- Specially higher pencil hardness above 7H
- high efficient Outdoor Visible Light PCO coating for Selfcleaning
- Excellent transparency on the Glass
- \* Glossy Tiles will appear slightly lower gloss then before!

#### Usage instructions:

- recommend air mix pressure spraying (HVLP)
- bar coating

#### Dosage instruction:

- refer to relevant coverage data sheet or product manual  
80ml/m<sup>2</sup> for Stone, 30-40ml/m<sup>2</sup> for Mirror

#### Transport Information

- \* refer to relevant (MSDS) Material Safety Data Sheet



#### Storage stability:

12 months in closed container under 5-45C°, dark condition.  
Protect Soll in opened container from Oxigen.

**Avoid freezing!** storind above 5C°

#### Technical Information:

**Chemical description:** nano TiO<sub>2</sub>/WO<sub>3</sub>/SiO<sub>2</sub> sol

• **appearance:** transparent liquid

#### Active matter content:

**TiO<sub>2</sub> 0.5% WO<sub>3</sub> 0.5% SiO<sub>2</sub> 2% ± 0.1%**

• **Water content:** 37% ± 1%

• **Alcohol content:** 60% ± 1%

#### Specification:

• **PH Value:** PH 3.5-4.0

• **primary particle size:** < 20-30 nm

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

• **agglomeration index:** 2-4

• **density:** 1.0075-1.01 g/ml

• **Viscosity:** 1.0050 mPa.s

• **binding strength:** Exelent (level 7) H7

#### • 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