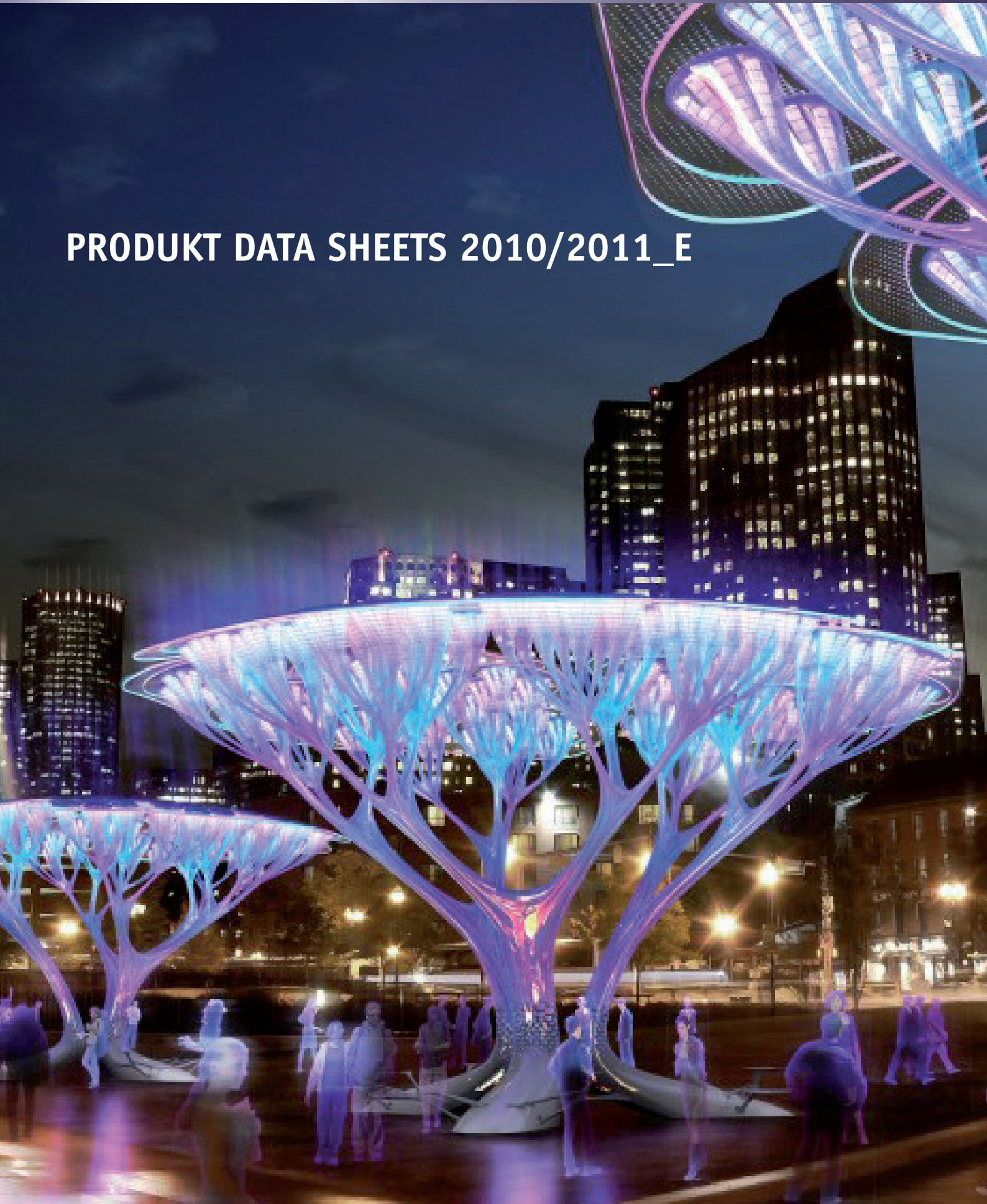




PRODUKT DATA SHEETS 2010/2011_E



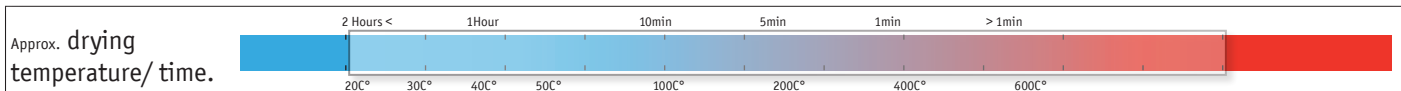


PRODUCT FAMILY	Product Code	Product Color Code	Page
UNIVERSAL		U- Code	1
			2
EXTERIOR	TSA50-02	A- Code	3
	TSA50-03		4
			5
			6
DESINFECTION	TSS40-06AD	S- Code	7
	TSS40-06AG		8
			9
			10
GLASS COATING		G- Code	11
	TSG50-02		12
			13
TitanShield®SolarCoat	TS-SolarCoat	TS-SolarCoat	14
PLASTIC & POLYMER		K- Code	15
	TSK50-02		16
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ODOR ELIMINATION AIR PURIFICATION	TSV50-02	V- Code	18
			19
FILTERTECHNIC		P- Code	20
	TSP60-02		21
PRIMER	TSB-01	B- Code	22
			23
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INDUSTRY			25
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			29
			30



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, See, 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:

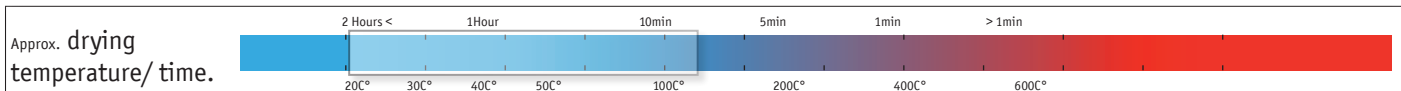
10 L, 25 L, Plastic / Polymer barrel with carton
30 L, 100 L, 200 L Plastic / Polymer barrel

* refer to relevant (MSDS) MATERIAL SAFETY DATA SHEET



Visible Light Reactiv Nano TiO₂ 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 600°C drying
- extra binding strength for porous and rough substrate

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 5-45°C, dark condition.
Protect Soll in opened container from Oxygen.

Avoid freezing! storind above 5°C

Technical Information:

Chemical description: nano titanium dioxide sol

• **appearance:** Bluish white 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:** very strong (level 4)

• Drying time at 25°C

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:

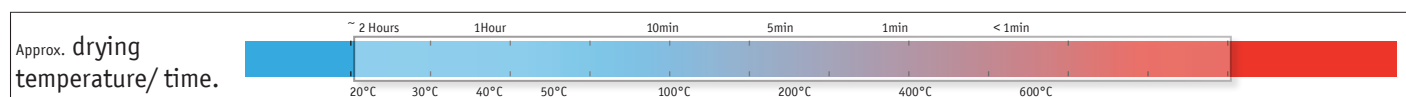
10 L, 25 L, Plastic / Polymer barrel with carton
30 L, 100 L, 200 L Plastic / Polymer barrel

* refer to relevant (MSDS) MATERIAL SAFETY DATA SHEET



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.

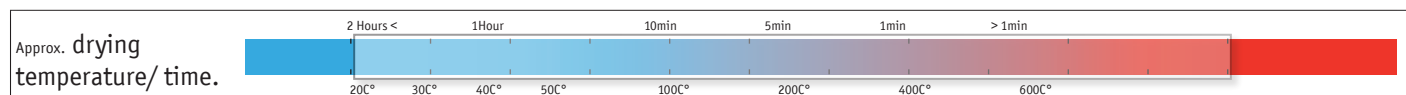


Special properties: <ul style="list-style-type: none"> • water-based nano TiO₂ sol • high performance from anti-bacterial modification • high performance from anti-viral modification • improved coating feature on diversified surface • improved binding strength and room temp. curing • long life-span formulation 	Technical Information: <p>Chemical description: nano titanium dioxide sol</p> <p>• appearance: Yellowish transparent liquid</p> <p>Active matter content:</p> <p>• TiO₂ 0.3% - 0,5% / SiO₂ 0,1%</p> <p>• Water content: 99% ± 1%</p> <p>• Alcohol content: 0%</p>
Example of application: <ul style="list-style-type: none"> • 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 	Specification: <p>• PH Value: PH 8 - 10</p> <p>• primary particle size: < 8 nm</p> <p>• crystal structure: TiO₂ Anatase</p> <p>• agglomeration index: 2-4 %</p> <p>• density: 1.0075-1.01 g/ml</p> <p>• Viscosity: 1.0050 mPa.s</p> <p>• binding strength: Very Strong (level 4)</p>
Usage instructions: <ul style="list-style-type: none"> • recommend air mix pressure spraying (HVLP) • brush for rough surface • dipping for irregular items • Trigger Spray for home, office and car use 	<p>• Drying time at 25°C</p> <p>Primary drying time: 30 minutes</p> <p>Final setting time: 30 days</p>
Dosage instruction: <ul style="list-style-type: none"> • refer to relevant coverage data sheet or product manual 	Registration status: <p>The ingredients are listed in the following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI</p>
Transport Information <p>No Transport danger for Air, Sea, Highway and Rail, transportation of dangerous goods</p>	Package: <p>10 L, 25 L, Plastic / Polymer barrel with carton 30 L, 100 L, 200 L Plastic / Polymer barrel</p>
Storage stability: <p>12 months in closed container 5-45°C, dark condition. Protect solution in opened container from Oxygen. Avoid freezing! storind above 5°C</p>	<p>* refer to relevant (MSDS) Material Safety Data Sheet</p>



Nano Silver 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 ★★★★★
* Facade paint ★★★★★	Antimicrobial ★★★★★
* Fabric ★★★★★	Self-cleaning ★★★★★
* Wood ★★★★★	* Primer might be needed.

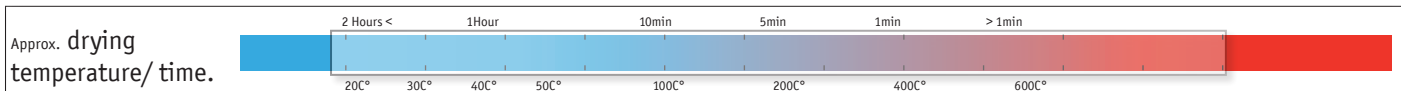
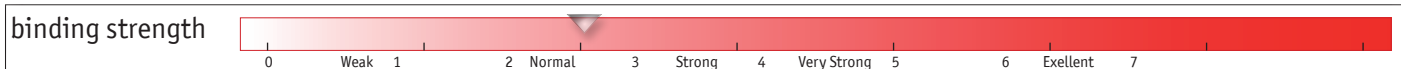


Special properties: <ul style="list-style-type: none"> • water-based nano TiO2 sol • nano silver modification, high performance for anti-bacterial • improved wetting feature on fabric • improved Coating feature on Plastic • improved binding strength 	Technical Information: <p>Chemical description: nano titanium dioxide sol</p> <p>• appearance: Yellowish transparent liquid</p> <p>Active matter content:</p> <p>• TiO2 0.75% - 1,0%</p> <p>• Water content: 99% ± 1%</p> <p>• Alcohol content: 0%</p>
Example of application: <ul style="list-style-type: none"> • 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 	Specification: <p>• PH Value: PH 7,5 - 10</p> <p>• primary particle size: < 8 nm</p> <p>• crystal structure: TiO2 Anatas</p> <p>• agglomeration index: 2-4</p> <p>• density: 1.0075-1.01 g/ml</p> <p>• Viscosity: 1.0050 mPa.s</p> <p>• binding strength: Normal (level 2)</p>
Usage instructions: <ul style="list-style-type: none"> • recommend air mix pressure spraying (HVLP) • brush for rough surface • dipping for irregular items • Trigger Spray for home, office and car use 	<p>• Drying time at 25°C°</p> <p>Primary drying time: 30 minutes</p> <p>Final setting time: 30 days</p>
Dosage instruction: <ul style="list-style-type: none"> • refer to relevant coverage data sheet or product manual 	Registration status: <p>respectively its ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI</p>
Transport Information <p>No Transport danger for Air, See, Highway and Rail, transportation of dangerous goods</p>	Package: <p>10 L, 25 L, Plastic / Polymer barrel with carton 30 L, 100 L, 200 L Plastic / Polymer barrel</p> <p>* refer to relevant (MSDS) Material Safety Data Sheet</p>
Storage stability: <p>12 months in closed container under 5-45°C°, dark condition. Protect Soll in opened container from Oxygen. Avoid freezing! storind above 5°C°</p>	



Nano TiO₂ Sol Glass & Ceramic 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
- optimization for Glass surface, excellent optical feature on Glass
- room temperature to 600C° drying

Example of application:

- building exterior self-cleaning coating
- exterior Glass surface self-cleaning coating
- self-cleaning & anti-bacterial tile surface processing
- exterior glossy metal self-cleaning coating

Usage instructions:

- recommend HVLP air mix pressure spraying
- polish coating

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 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** 0,6%– 0,8%

• **Water content:** 99% ± 1%

• **Alcohol content:** 0%

Specification:

• **PH Value:** PH 7,5 - 10,0

• **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:** Normal (level 2)

• 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:

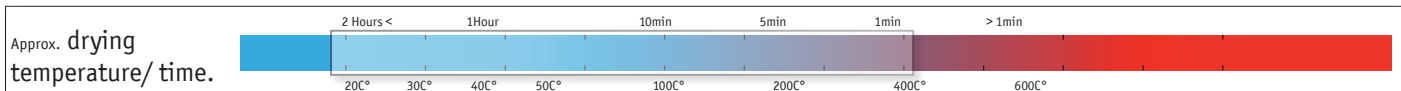
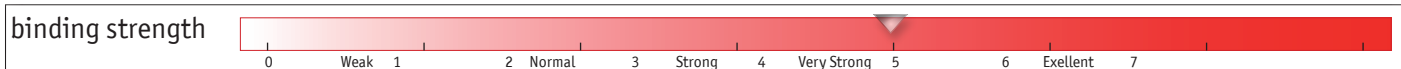
10 L, 25 L, Plastic / Polymer barrel with carton
30 L, 100 L, 200 L Plastic / Polymer barrel

* refer to relevant (MSDS) Material Safety Data Sheet



Anti Reflectiv transparent Nano photocatalyst for self-cleaning glass and solar panels

Substrate Applicability:	Feature & Performance:
Stone	Water purification
Tile	Odor Elimination
Glass	Super-hydrophilic
Poly Silicon Iron Glass	Anti-moss
Metall	Air purification
FTO Glass	Antimicrobial
*Fabric	Self-cleaning
*Wood	* Primer might be needed.



Special properties:

- water-based nano TiO₂ sol
- improved wetting feature for plastic and polymer coating
- self-cleaning application
- room temperature to 600C° drying

Example of application:

- Photocatalytic and Transmittance enhancer for Solar cell glass
- Excellent transmittion on the Poly Silicon Iron Glass & FTO Glass
- Specially higher pencil hardness above 7H
- high efficient Visible Light PCO coating for Selfcleaning on Greenhouses
- Excellent antireflect coating for glass and metal

Usage instructions:

- recommend HVLP air mix pressure spraying
- Spinning coating
- dipping for fabric & irregular items

Dosage instruction:

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

Transport Information

No Transport danger for Air, See, 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	0,6% – 0,8%
• Water content:	99% ± 1%
• Alcohol content:	0%

Specification:

• PH Value:	PH 7,5 - 10,0
• primary particle size:	< 8 nm
• crystal structure:	TiO ₂ Anatas
• agglomeration index:	2 - 4
• density:	1.0075-1.01 g/ml
• Viscosity:	1.0050 mPa.s
• binding strength:	Very Strong (level 5)

• 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:

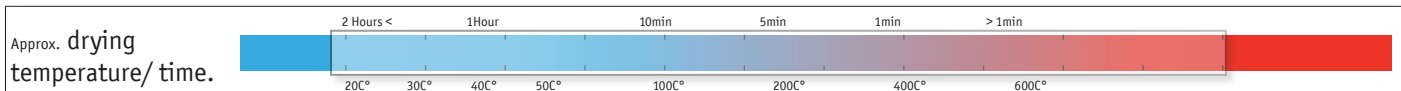
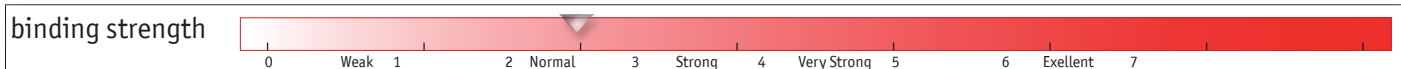
10 L, 25 L, Plastic / Polymer barrel with carton
30 L, 100 L, 200 L Plastic / Polymer barrel

* refer to relevant (MSDS) Material Safety Data Sheet



Nano TiO₂ Sol Plastic, Polymer, Polymer Fabric & Glass 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 ★★★★★
Polymer Fabric ★★★★★	Self-cleaning ★★★★★
* Wood ★★★★★	* Primer might be needed.



Special properties:

- water-based nano TiO₂ sol
- improved wetting feature for plastic and polymer coating
- self-cleaning application
- room temperature to 600C° drying

Example of application:

- high efficient plastic coating
- high efficient metal coating
- polymer fabric coating & processing
- exterior glossy metal self-cleaning coating

Usage instructions:

- recommend HVLP air mix pressure spraying
- Spinning coating
- dipping for fabric & irregular items

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 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	0,6% – 0,8%
• Water content:	99% ± 1%
• Alcohol content:	0%

Specification:

• PH Value:	PH 7,5 - 10,0
• primary particle size:	< 8 nm
• crystal structure:	TiO ₂ Anatas
• agglomeration index:	2 - 4
• density:	1.0075-1.01 g/ml
• Viscosity:	1.0050 mPa.s
• binding strength:	Normal (level 2)

• 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:

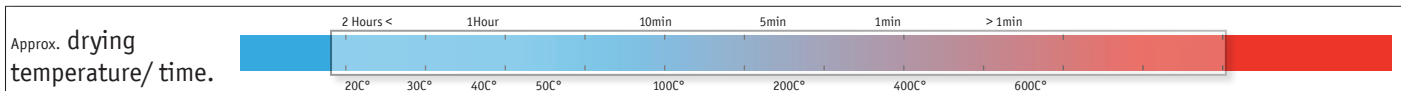
10 L, 25 L, Plastic / Polymer barrel with carton
30 L, 100 L, 200 L Plastic / Polymer barrel

* refer to relevant (MSDS) Material Safety Data Sheet



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 ★★★★★
* Facade 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, See, Highway and Rail, transportation of dangerous goods

Storage stability:

12 months in closed container under 5-45°C, dark condition.
Protect Soll 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:	97% ± 1%
• Alcohol content:	0%

Specification:

• PH Value:	PH 7,5 - 10,0
• primary particle size:	< 8 nm
• crystal structure:	TiO ₂ Anatas
• 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:

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



Platinum doping modified Nano TiO₂ Sol Coating Agent

Substrate Applicability:

Stone	★ ★ ★ ★ ★
Tile	★ ★ ★ ★ ★
Glass	★ ★ ★ ★ ★
Plastic / Polymer	★ ★ ★ ★ ★
Metal	★ ★ ★ ★ ★
* Facade paint	★ ★ ★ ★ ★
Polymer Fabric	★ ★ ★ ★ ★
* Wood	★ ★ ★ ★ ★

Feature & Performance:

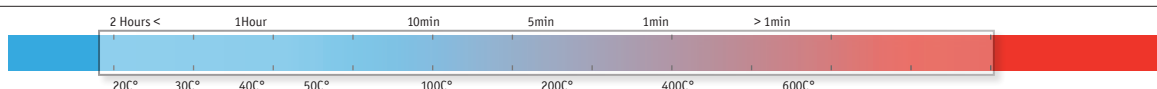
Water purification	★ ★ ★ ★ ★
Odor Elimination	★ ★ ★ ★ ★
Super-hydrophilic	★ ★ ★ ★ ★
Anti-moss	★ ★ ★ ★ ★
Air purification	★ ★ ★ ★ ★
Antimicrobial	★ ★ ★ ★ ★
Self-cleaning	★ ★ ★ ★ ★

* Primer might be needed.

binding strength



Approx. drying temperature/ time.



Special properties:

- water-based nano TiO₂ sol
- platinum doping modification, very high efficient
- excellent performance for most applications
- high stability under harsh condition
- no additive, surfactant and binder, suitable for re-processing

Example of application:

- PCO filter & part coating (good balance for most application)
- PCO water treatment device part coating
- industrial air purification and deodorization coating
- raw material or additive for other commercial PCO product

Usage instructions:

- recommend air mix pressure spraying (HVLP)
- dipping for irregular items
- mix with binder or other modified active matter

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 under 5-45°C, dark condition. Protect Sol 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:	98% ± 1%
• Alcohol content:	0%

Specification:

• PH Value:	PH 7,5 - 10,0
• primary particle size:	< 8 nm
• crystal structure:	TiO ₂ Anatas
• 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:

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



Primer General TiO₂ undecoating Agent

Substrate Applicability:

Stone	★★★★★
Tile	★★★★★
Glass	★★★☆☆
Plastic / Polymer	★★★★☆
Metal	★★★★☆
Faccade paint	★★★★★
Polymer Fabric	★★★★☆
Wood	★★★★★

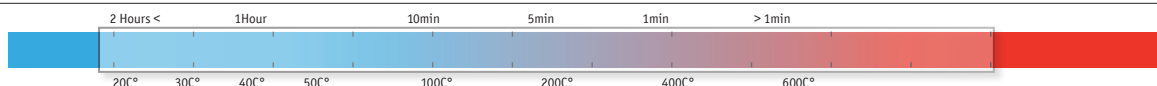
Feature & Performance:

Water purification	★★★★☆
Odor Elimination	★★★★☆
Super-hydrophilic	★★★★☆
Anti-moss	★★★★☆
UV Block	★★★★★
PCO Protect	★★★★★
Binding enhance	★★★★★

binding strength



Approx. drying temperature/ time.



Special properties:

- water-based primer for nano photocatalyst top coating
- block UV
- protect organic substrate from photocatalytic oxidization damage
- enhance binding strength of top photocatalyst coating
- Reduce Top Coat

Example of application:

- primer on acrylic paint surface to protect substrate
- primer on stone to enhance photocatalyst coating binding
- block UV coating

Usage instructions:

- recommend air mix pressure spraying (HVLP)
- brush for rough surface
- dipping for irregular items

Dosage instruction:

- refer to relevant coverage data sheet or product manual
30-60ml/m²

Transport Information

No Transport danger for Air, Sea, Highway and Rail, transportation of dangerous goods

Storage stability:

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

Avoid freezing! storind above 5°C

Technical Information:

Chemical description: deactivated nano titanium dioxide sol

• **appearance:** yellowish transparent liquid

Active matter content:

• **TiO₂** 0,75 – 1,0%

• **Water content:** 98% ± 1%

• **Alcohol content:** 0%

Specification:

• **PH Value:** PH 7,5 - 10,0

• **primary particle size:** < 3 nm

• **crystal structure:** TiO₂ Anatas / amorph

• **agglomeration index:** < 10 cps

• **density:** 1.0075-1.01 g/ml

• **Viscosity:** 1.0050 mPa.s

• **binding strength:** Exellent (Index 5)

• Drying time at 25°C°

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:

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30 L, 100 L, 200 L Plastic / Polymer barrel

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