

Product Selection Tables

better choice, better solution

Overview- Coatings

Function	Room temperature Spraying coating	400 °C to 600 °C Spraying coating	Room temperature New Products
Exterior			
Self-cleaning & Anti mold	E500,E502,E503 E504,E505,E506	E502,E504,E506	E505,E506
	O502	O502	O502
	G502	G502,G380P	G502
Interior			
Air purification & Deodorization	X500,X502	X502	
	AG402,AG403	AG402	
	PT602	PT602	
Exterior Air purification	E500,E502,E503 E504,E505,E506	E502,E504,E506	
	PT602	PT602	
Anti-bacterial	AG402,AG403	AG402	
	X502	X502	
Textile	F380,F500		
	X502		
	C382		
Agriculture	C384,C386		
	AG404,AG406		

Overview- Other Applications

Additives & Concentrates	H305, S210
	S211, S310
Basic Coating System	C380
	X500, X450,X550
	AG400
	PT600

Exterior - Self-cleaning for exterior buildings

Substrate	Room temperature Spraying coating	400 °C to 600 °C Spraying coating	Room temperature New Products
Marble			
	E500	E502	E505
	E502	E504	E506
	E503	E506	
	E504	G380P	
	E505		
	E506		
Stone			
	E500	E502	E505
	E502	E504	E506
	E503	E506	
	E504	G380P	
	E505		
	E506		
Granite			
	E500	E502	E505
	E502	E504	E506
	E503	E506	
	E504	G380P	
	E505		
	E506		
Metal			
	E505	E506	O502
	E506	O502	
	O502	G380P	
Glass			
	G502	G380P	G502
	O502	G502	O502
	E505	O502	
	E506	E506	
Plastic & Polymer			
	G502	G502	G502
	O502	O502	O502
	E505	E506	
	E506	G380P	



Product Data Sheets

all at a glance

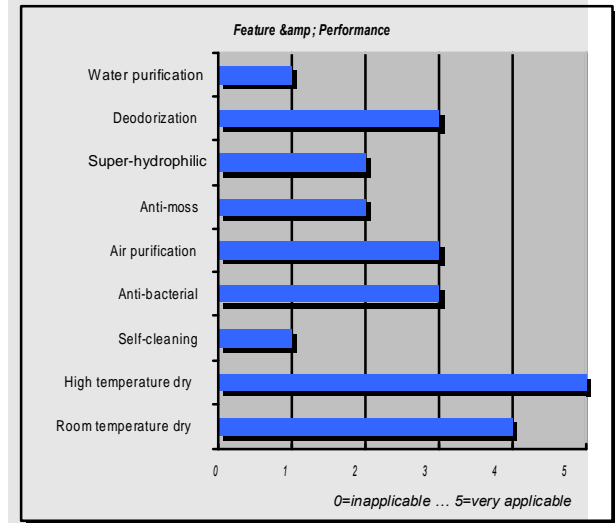
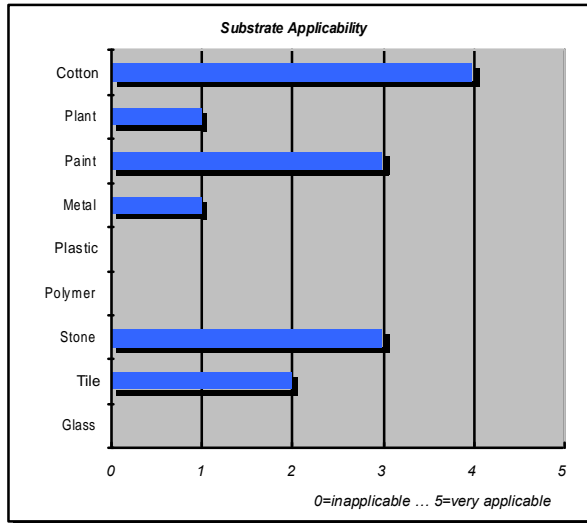
Overview

	Page
C-Series	
C380	3
C382	4
C384	5
C386	6
E-Series	
E500	7
E502	8
E503	9
E504	10
E505	11
E506	12
AG-SERIES	
AG400	13
AG402	14
AG404	15
AG406	16
S-Series	
S310	17
S311	18
S210	19
S211	20
G-Series	
G380P	21
G502	22

	Page
X-Series	
X450	23
X452	24
X500	25
X502	26
X550	27
PT-Series	
PT600	28
PT602	29
F-SERIES	
F380	30
F500	31
O-SERIES	
O502	32
AeroTi	
AeroTi 500	33
H-Series	
H305	34
PR-Series	
PR-A8	35
PR-O8	36
PR-T8	37

GENS NANO[®] C380

UV Response Nano TiO₂ Sol Coating Agent



Special properties

- ⊕ water-based nano TiO₂ sol
- ⊕ UV response
- ⊕ low application cost
- ⊕ no additive, surfactant and binder, suitable for re-processing

Example of application

- ⊕ economical exterior UV/PCO coating for atmosphere purification
- ⊕ UV/PCO filter & part coating (especial for deodorization)
- ⊕ raw material or additive for other commercial PCO product

Usage instructions

- ⊕ recommend air mix pressure spraying
- ⊕ brush for rough surface
- ⊕ dipping for irregular items
- ⊕ mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⊕ refer to relevant coverage data sheet or product manual

Technical Information

- ⊕ appearance bluish white transparent liquid
- ⊕ active matter content 7500-10000(PPM)

Specification *

- ⊕ PH Value 7.5-9.5
- ⊕ average primary particle size <8nm
- ⊕ crystal structure anatase
- ⊕ agglomeration index 2-4
- ⊕ density 1.0075-1.01 g/ml
- ⊕ binding strength very weak (level 0)

Registration status

GENS NANO C380 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

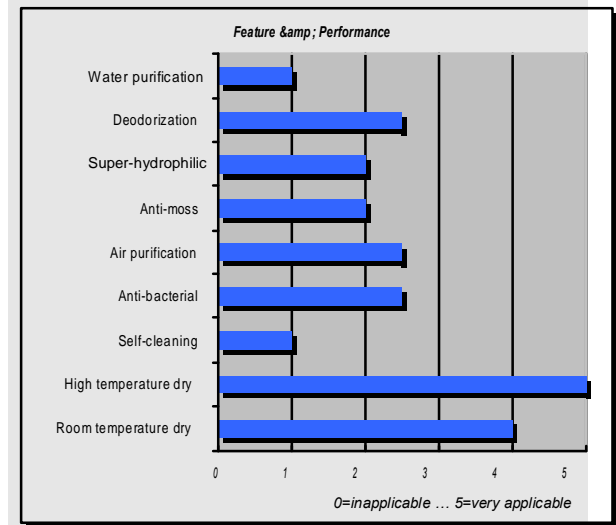
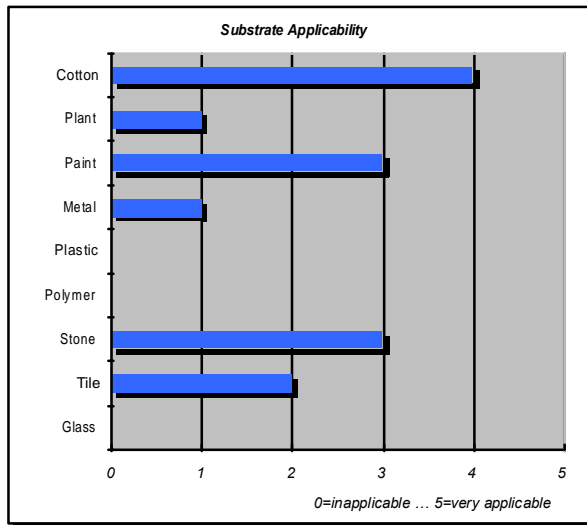
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® C382

UV Response Nano TiO₂ Sol Coating Agent



Special properties

- ⊕ water-based nano TiO₂ sol
- ⊕ UV response
- ⊕ low application cost
- ⊕ improved binding strength
- ⊕ no additive and surfactant, suitable for re-processing

Example of application

- ⊕ exterior UV/PCO coating for atmosphere purification
- ⊕ economical exterior anti-moss & self-cleaning coating
- ⊕ UV/PCO filter & part coating (especial for deodorization)
- ⊕ raw material or additive for other commercial PCO product

Usage instructions

- ⊕ recommend air mix pressure spraying
- ⊕ brush for rough surface
- ⊕ dipping for irregular items
- ⊕ mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⊕ refer to relevant coverage data sheet or product manual

* For more detailed technical data, please refer to relevant product manual

Technical Information

- ⊕ appearance yellowish transparent liquid
- ⊕ active matter content 7500-10000(PPM)

Specification *

- ⊕ PH Value 7-9
- ⊕ average primary particle size <8nm
- ⊕ crystal structure anatase
- ⊕ agglomeration index 2-4
- ⊕ density 1.0075-1.01 g/ml
- ⊕ binding strength normal (level 2)

Registration status

GENS NANO® C382 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

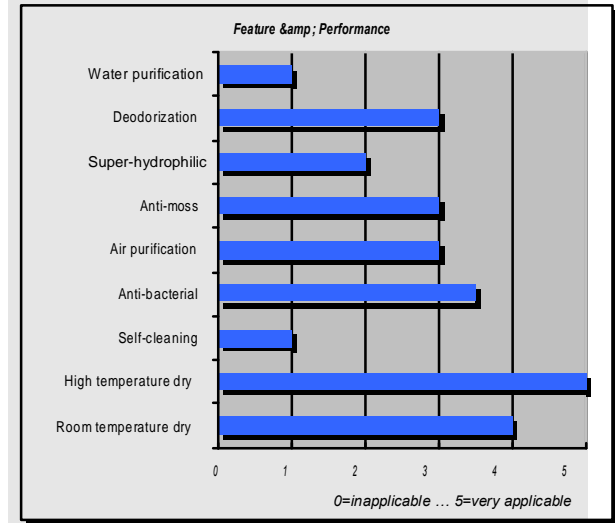
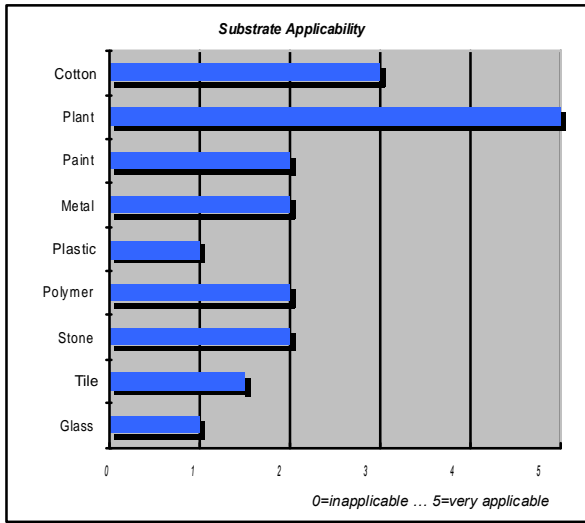
12 months in closed container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, highway and rail transportation

GENS NANO[®] C384

UV Response Nano TiO₂ Sol Coating Agent



Special properties

- ⚠ water-based nano TiO₂ sol
- ⚠ UV response
- ⚠ low application cost
- ⚠ improved coating feature on plant

Example of application

- ⚠ economical plant anti-bacterial & anti-virus coating

Usage instructions

- ⚠ recommend air mix pressure spraying
- ⚠ brush for rough surface
- ⚠ dipping for irregular items

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

Technical Information

- ⚠ appearance bluish white transparent liquid
- ⚠ active matter content 7500-10000(PPM)

Specification *

- ⚠ PH Value 7.5-9.5
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 2-4
- ⚠ density 1.0075-1.01 g/ml
- ⚠ binding strength very weak (level 0)

Registration status

GENS NANO[®] C384 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

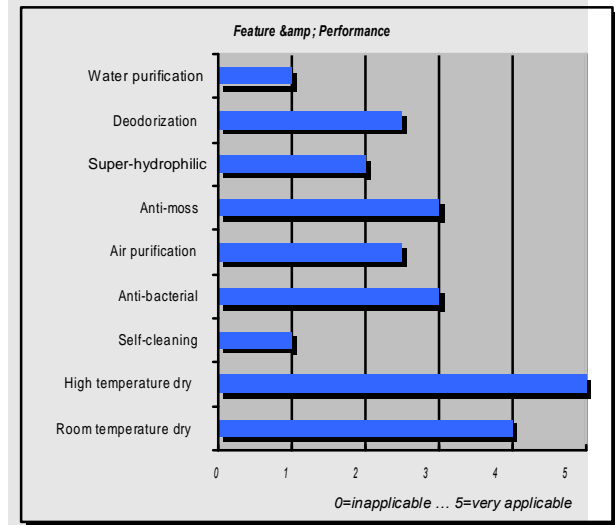
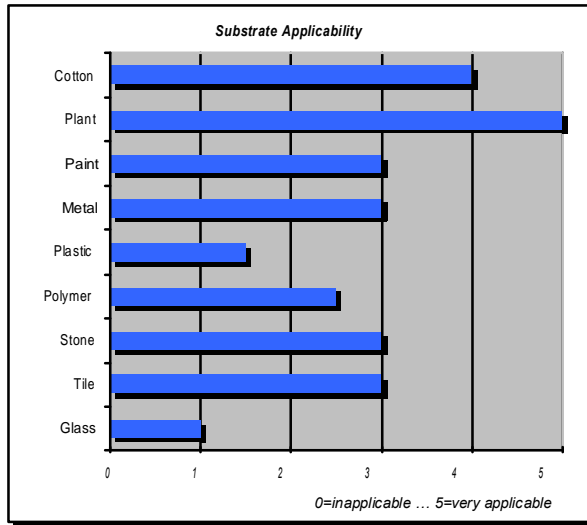
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® C386

UV Response Nano TiO₂ Sol Coating Agent



Special properties

- ⚠ water-based nano TiO₂ sol
- ⚠ UV response
- ⚠ low application cost
- ⚠ improved coating feature on plant
- ⚠ improved coating feature on fabric
- ⚠ improved binding strength

Example of application

- ⚠ economical plant anti-bacterial & anti-virus coating
- ⚠ economical fabric photocatalyst coating & treatment
- ⚠ UV/PCO filter & part coating (especial for deodorization)

Usage instructions

- ⚠ recommend air mix pressure spraying
- ⚠ brush for rough surface
- ⚠ dipping for irregular items

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

Technical Information

- ⚠ appearance yellowish transparent liquid
- ⚠ active matter content 7500-10000(PPM)

Specification *

- ⚠ PH Value 7-9
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 2-4
- ⚠ density 1.0075-1.01 g/ml
- ⚠ binding strength weak (level 1)

Registration status

GENS NANO® C386 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

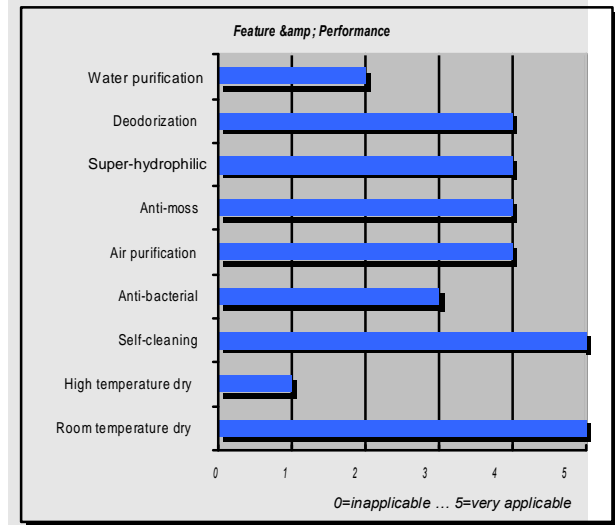
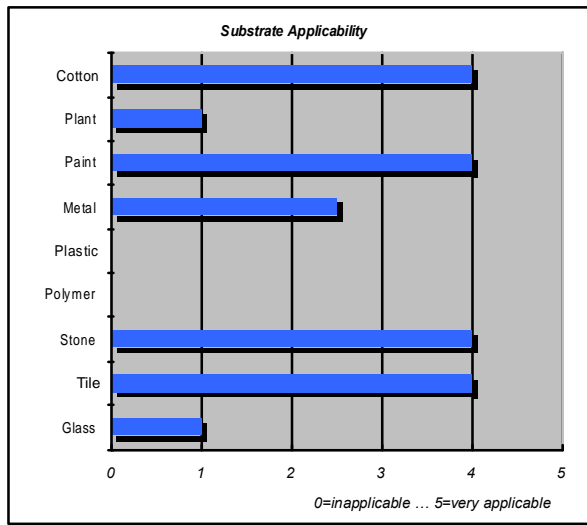
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO[®] E500

VLR modified Nano TiO₂ Sol Exterior Coating Agent



Special properties

- ⚠ water-based nano TiO₂ sol
- ⚠ high efficiency
- ⚠ self-cleaning application optimization
- ⚠ improved binding strength for exterior application
- ⚠ room temperature drying

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
- ⚠ brush for rough surface

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

Technical Information

- ⚠ appearance bluish white transparent liquid
- ⚠ active matter content 7500-10000(PPM)

Specification *

- ⚠ PH Value 7.5-9.5
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 2-4
- ⚠ density 1.0075-1.01 g/ml
- ⚠ binding strength strong (level 3)

Registration status

GENS NANO[®] E500 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

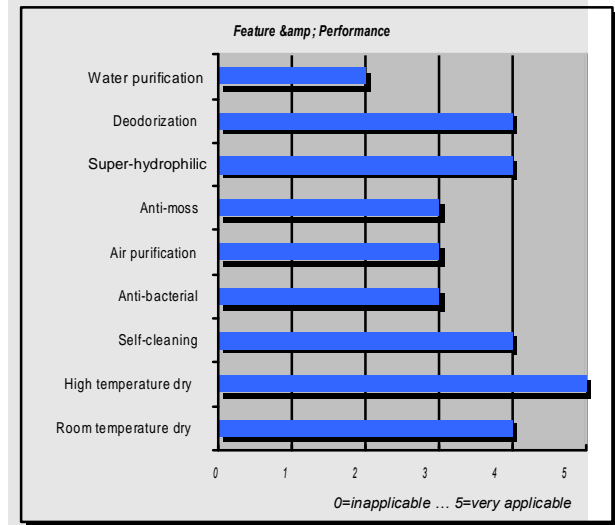
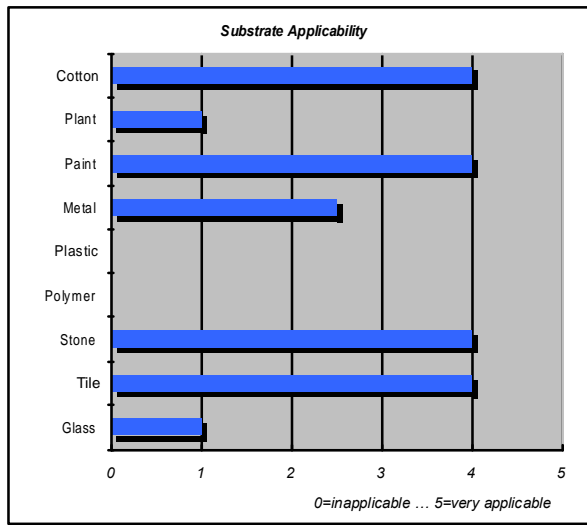
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® E502

VLR modified Nano TiO₂ Sol Exterior Coating Agent



Special properties

- △ water-based nano TiO₂ sol
- △ high efficiency
- △ self-cleaning application optimization
- △ improved binding strength for exterior application
- △ room temperature to 600 °C(1,112 °F) drying

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
- △ brush for rough surface

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellowish transparent liquid
- △ active matter content 7500-10000(PPM)

Specification *

- △ PH Value 7-9
- △ average primary particle size <8nm
- △ crystal structure anatase
- △ agglomeration index 2-4
- △ density 1.0075-1.01 g/ml
- △ binding strength strong (level 3)

Registration status

GENS NANO® E502 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

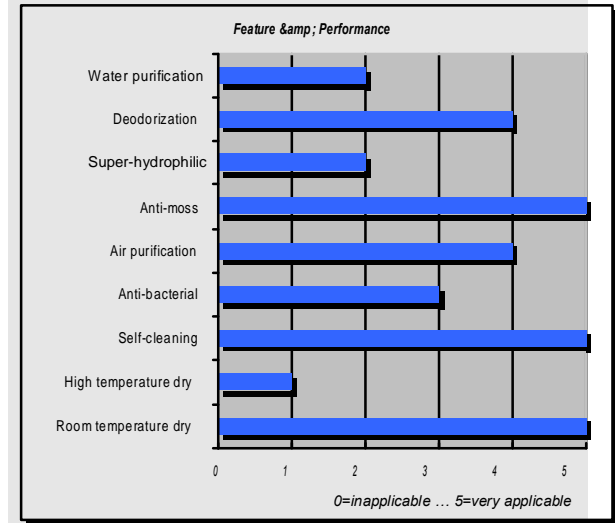
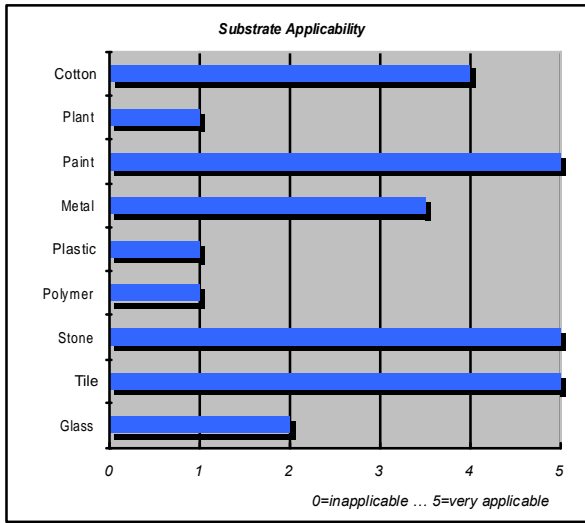
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO[®] E503

VLR modified Nano TiO₂ Sol Exterior Coating Agent



Special properties

- ⚠ water-based nano TiO₂ sol
- ⚠ high efficiency
- ⚠ self-cleaning application optimization
- ⚠ extra binding strength for porous and rough substrate
- ⚠ room temperature drying

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
- ⚠ brush for rough surface

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

Technical Information

- ⚠ appearance bluish white transparent liquid
- ⚠ active matter content 7500-10000(PPM)

Specification *

- ⚠ PH Value 7.5-9.5
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 2-4
- ⚠ density 1.0075-1.01 g/ml
- ⚠ binding strength very strong (level 4)

Registration status

GENS NANO[®] E503 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

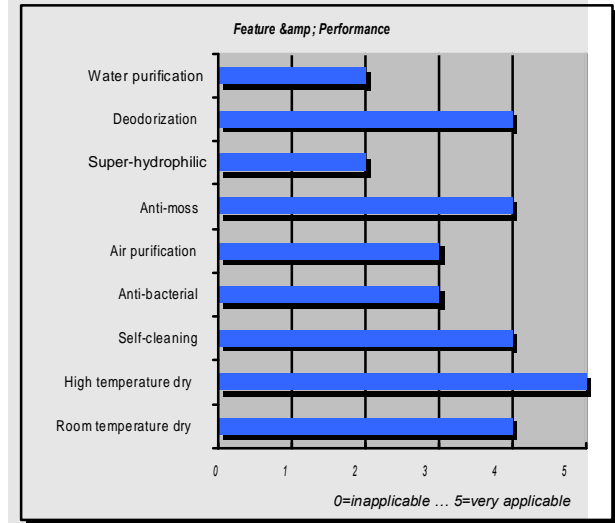
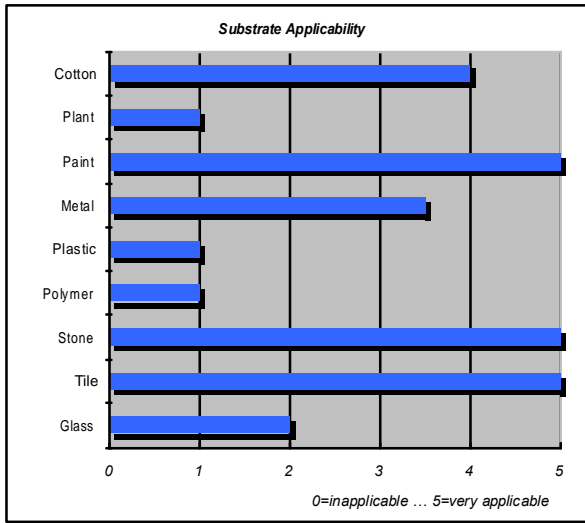
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® E504

VLR modified Nano TiO₂ Sol Exterior Coating Agent



Special properties

- ⚠ water-based nano TiO₂ sol
- ⚠ high efficiency
- ⚠ self-cleaning application optimization
- ⚠ extra binding strength for porous and rough substrate
- ⚠ room temperature to 600 °C(1,112 °F) drying

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
- ⚠ brush for rough surface

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

Technical Information

- ⚠ appearance yellowish transparent liquid
- ⚠ active matter content 7500-10000(PPM)

Specification *

- ⚠ PH Value 7-9
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 2-4
- ⚠ density 1.0075-1.01 g/ml
- ⚠ binding strength very strong (level 4)

Registration status

GENS NANO® E504 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

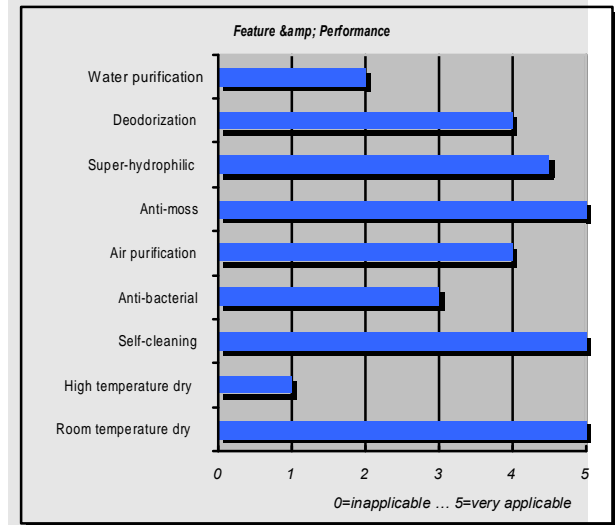
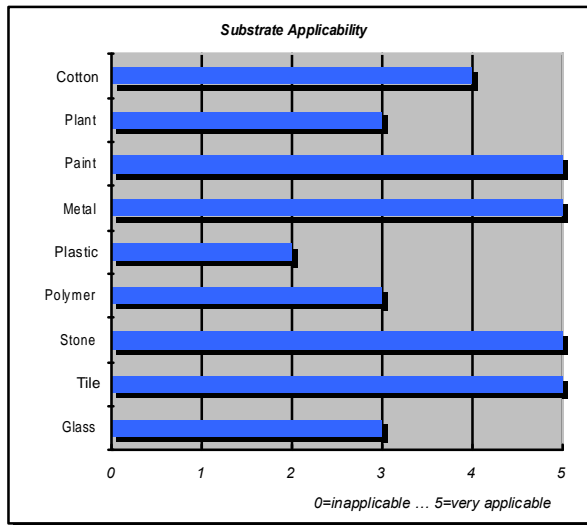
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® E505

VLR modified Nano TiO₂ Sol Exterior Coating Agent



Special properties

- ⊕ water-based nano TiO₂ sol
- ⊕ high efficiency
- ⊕ self-cleaning application optimization
- ⊕ improved binding strength for exterior application
- ⊕ optimization for non-porous and smooth surface
- ⊕ room temperature drying

Example of application

- ⊕ building exterior self-cleaning coating
- ⊕ stone surface anti moss coating
- ⊕ metal self-cleaning coating
- ⊕ high efficient exterior UV/PCO coating for atmosphere purification

Usage instructions

- ⊕ recommend air mix pressure spraying
- ⊕ brush for rough surface

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⊕ refer to relevant coverage data sheet or product manual

Technical Information

- ⊕ appearance bluish white transparent liquid
- ⊕ active matter content 6500-9000(PPM)

Specification *

- ⊕ PH Value 7.5-9.5
- ⊕ average primary particle size <8nm
- ⊕ crystal structure anatase
- ⊕ agglomeration index 2-4
- ⊕ density 1.0065-1.009 g/ml
- ⊕ binding strength normal (level 2)

Registration status

GENS NANO® E505 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

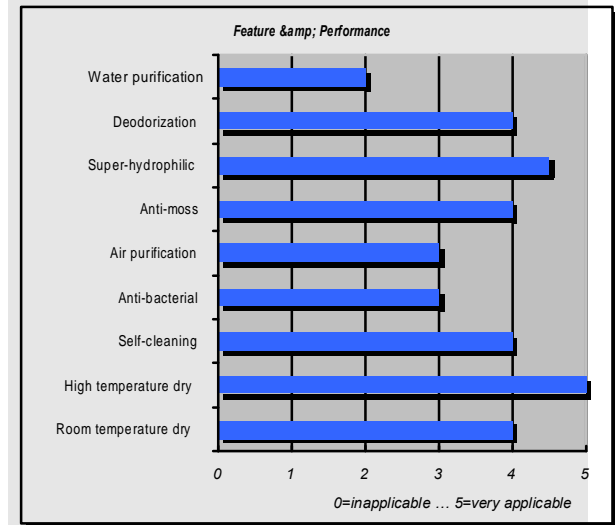
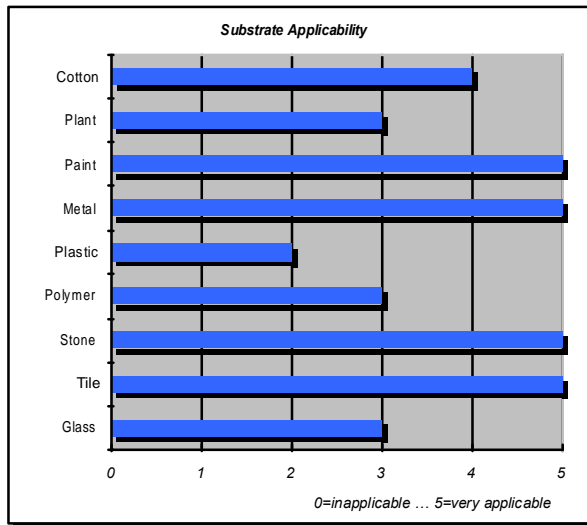
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO[®] E506

VLR modified Nano TiO₂ Sol Exterior Coating Agent



Special properties

- △ water-based nano TiO₂ sol
- △ high efficiency
- △ self-cleaning application optimization
- △ improved binding strength for exterior application
- △ optimization for non-porous and smooth surface
- △ room temperature to 600 °C(1,112 °F) drying

Example of application

- △ building exterior self-cleaning coating
- △ stone surface anti moss coating
- △ metal self-cleaning coating
- △ high efficient exterior UV/PCO coating for atmosphere purification

Usage instructions

- △ recommend air mix pressure spraying
- △ brush for rough surface

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellowish transparent liquid
- △ active matter content 6500-9000(PPM)

Specification *

- △ PH Value 7-9
- △ average primary particle size <8nm
- △ crystal structure anatase
- △ agglomeration index 2-4
- △ density 1.0065-1.009 g/ml
- △ binding strength normal (level 2)

Registration status

GENS NANO[®] E506 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

10kg, 25 kg, Plastic barrel with carton
30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

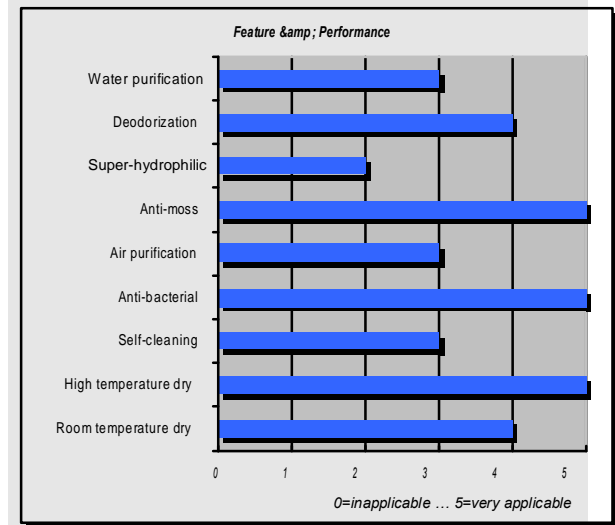
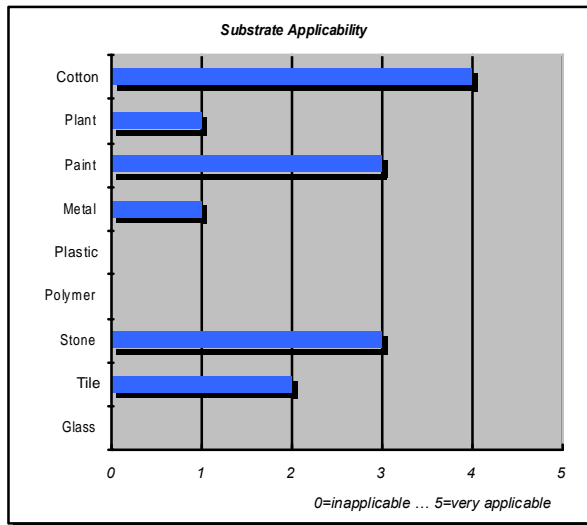
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® AG400

Nano silver modified TiO₂ Sol Coating Agent



Special properties

- ⊕ water-based nano TiO₂ sol
- ⊕ nano silver modification, high performance for anti-bacterial
- ⊕ no additive, surfactant and binder, suitable for re-processing

Example of application

- ⊕ anti-bacterial & anti-virus fabric coating & treatment
- ⊕ air filter coating (especial for anti-bacterial & anti-virus)
- ⊕ home sanitization (for house, cloth, ♂)
- ⊕ raw material or additive for other commercial anti-bacterial product

Usage instructions

- ⊕ recommend air mix pressure spraying
- ⊕ brush for rough surface
- ⊕ dipping for irregular items
- ⊕ mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⊕ refer to relevant coverage data sheet or product manual

Technical Information

- ⊕ appearance bluish white transparent liquid
- ⊕ active matter content 7500-10000(PPM)

Specification *

- ⊕ PH Value 7.5-9.5
- ⊕ average primary particle size <8nm
- ⊕ crystal structure anatase
- ⊕ agglomeration index 2-4
- ⊕ density 1.0075-1.01 g/ml
- ⊕ binding strength very weak (level 0)

Registration status

GENS NANO® AG400 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

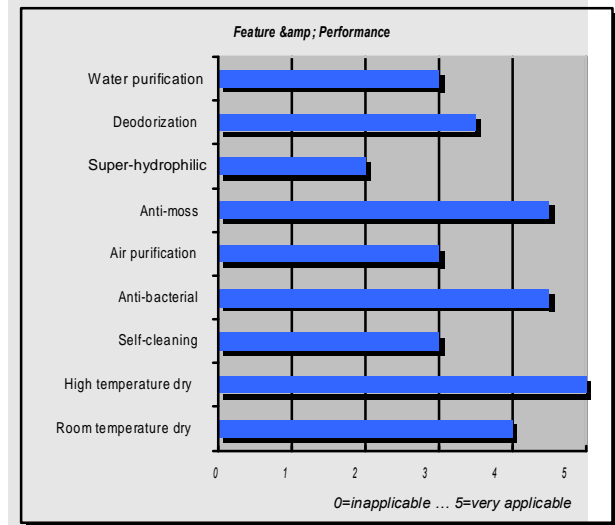
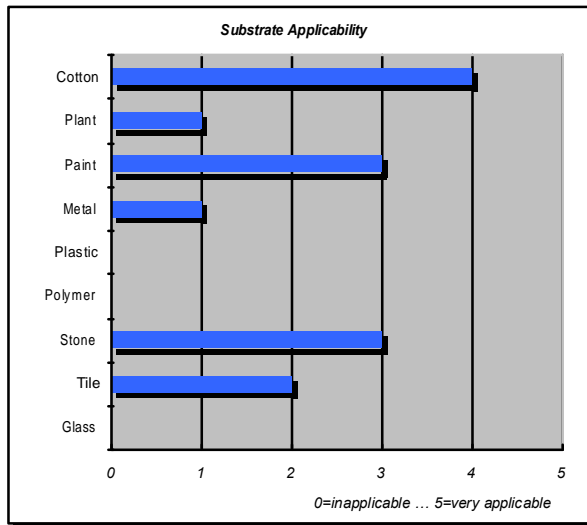
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO[®] AG402

Nano silver modified TiO₂ Sol Coating Agent



Special properties

- ⊕ water-based nano TiO₂ sol
- ⊕ nano silver modification, high performance for anti-bacterial
- ⊕ improved binding strength
- ⊕ no additive and surfactant, suitable for re-processing

Example of application

- ⊕ anti-bacterial & anti-virus fabric coating & treatment
- ⊕ air filter coating (especial for anti-bacterial & anti-virus)
- ⊕ public place anti-bacterial coating (e.g. hospital, bus, train, school)
- ⊕ home sanitization (for house, cloth, ♂)
- ⊕ raw material or additive for other commercial anti-bacterial product

Usage instructions

- ⊕ recommend air mix pressure spraying
- ⊕ brush for rough surface
- ⊕ dipping for irregular items
- ⊕ mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⊕ refer to relevant coverage data sheet or product manual

** For more detailed technical data, please refer to relevant product manual*

Technical Information

- ⊕ appearance bluish white transparent liquid
- ⊕ active matter content 7500-10000(PPM)

Specification *

- ⊕ PH Value 7-9
- ⊕ average primary particle size <8nm
- ⊕ crystal structure anatase
- ⊕ agglomeration index 2-4
- ⊕ density 1.0075-1.01 g/ml
- ⊕ binding strength normal (level 2)

Registration status

GENS NANO[®] AG400 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

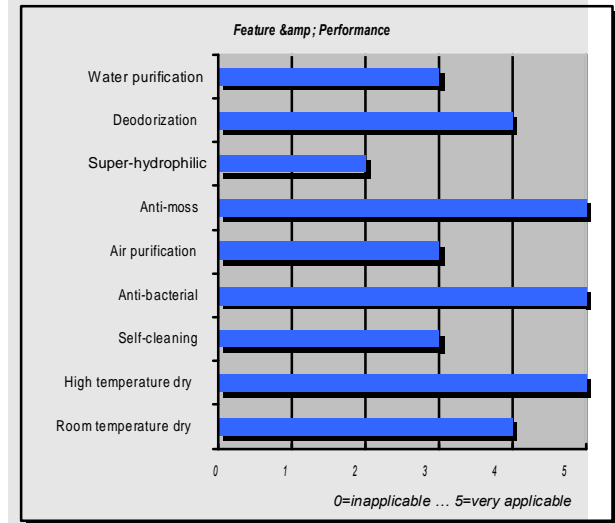
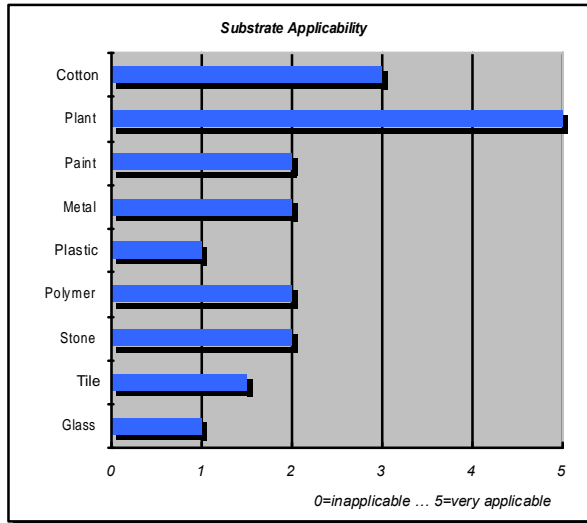
12 months in closed container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, highway and rail transportation

GENS NANO® AG404

Nano silver modified TiO₂ Sol Coating Agent



Special properties

- ⚠ water-based nano TiO₂ sol
- ⚠ nano silver modification, high performance for anti-bacterial
- ⚠ improved coating feature on plant
- ⚠ improved wetting feature on fabric

Example of application

- ⚠ anti-bacterial & anti-virus fabric coating & treatment
- ⚠ air filter coating (especial for anti-bacterial & anti-virus)
- ⚠ home sanitization (for house, cloth, ♂)
- ⚠ high efficient plant anti-bacterial & anti-virus coating

Usage instructions

- ⚠ recommend air mix pressure spraying
- ⚠ brush for rough surface
- ⚠ dipping for irregular items

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

Technical Information

- ⚠ appearance bluish white transparent liquid
- ⚠ active matter content 7500-10000(PPM)

Specification *

- ⚠ PH Value 7.5-9.5
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 2-4
- ⚠ density 1.0075-1.01 g/ml
- ⚠ binding strength very weak (level 0)

Registration status

GENS NANO® AG404 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

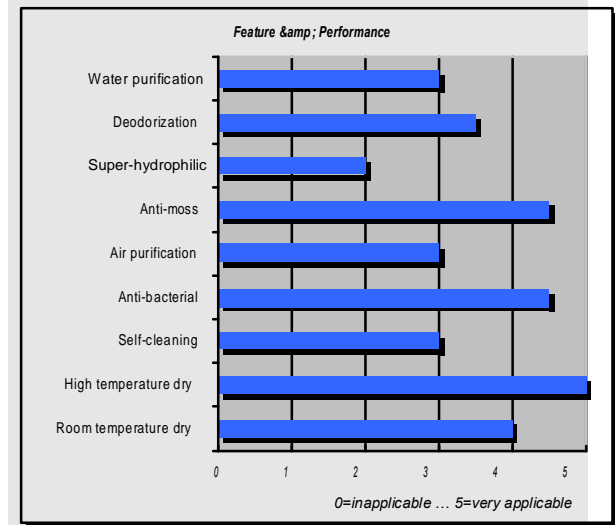
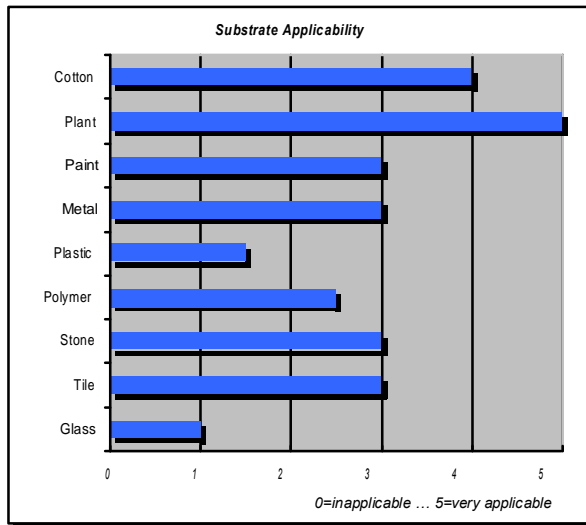
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® AG406

Nano silver modified TiO₂ Sol Coating Agent



Special properties

- ⚠ water-based nano TiO₂ sol
- ⚠ nano silver modification, high performance for anti-bacterial
- ⚠ improved coating feature on plant
- ⚠ improved coating feature on fabric
- ⚠ improved binding strength

Example of application

- ⚠ anti-bacterial & anti-virus fabric coating & treatment
- ⚠ air filter coating (especial for anti-bacterial & anti-virus)
- ⚠ home sanitization (for house, cloth, ♂)
- ⚠ anti-bacterial PCO plastic artificial plant processing
- ⚠ public place anti-bacterial coating (e.g. hospital, bus, train, school)
- ⚠ high efficient plant anti-bacterial & anti-virus coating

Usage instructions

- ⚠ recommend air mix pressure spraying
- ⚠ brush for rough surface
- ⚠ dipping for irregular items

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

* For more detailed technical data, please refer to relevant product manual

Technical Information

- ⚠ appearance yellowish transparent liquid
- ⚠ active matter content 7500-10000(PPM)

Specification *

- ⚠ PH Value 7-9
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 2-4
- ⚠ density 1.0075-1.01 g/ml
- ⚠ binding strength weak (level 1)

Registration status

GENS NANO® AG406 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, highway and rail transportation

GENS NANO[®] S310

High Performance Nano TiO₂ Slurry

Special properties

- ± high concentration water-based nano TiO₂ slurry
- ± low agglomeration, super fine particle size
- ± high surface area
- ± high efficiency & performance

Example of application

- ± cosmetic additive (UV block, whiten, anti-bacterial, anti-allergen)
- ± paint additive (deodorization, anti-moss, air purification)
- ± dye sensitized solar battery
- ± air purification system (coat for reaction part, filter, duct)

Usage instructions

- ± high speed cutting and mix up
- ± roller print
- ± air mix pressure spraying

Chemical description

nano titanium dioxide slurry

Dosage instruction

- ± refer to relevant coverage data sheet or product manual

Technical Information

- ± appearance white aqueous slurry
- ± active matter content 10%(±1.5%)

Specification *

- ± PH Value 7.5-10.5
- ± average primary particle size <8nm
- ± crystal structure anatase
- ± agglomeration index 20-30
- ± density 1.08-1.11 g/ml
- ± BET surface area 240m²/g

Registration status

GENS NANO[®]S310 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual.

GENS NANO® S311

High Performance Nano TiO₂ Slurry

Special properties

- △ high concentration water-based nano TiO₂ slurry
- △ low agglomeration, super fine particle size
- △ high surface area
- △ high efficiency & performance
- △ high storage stability

Example of application

- △ cosmetic additive (UV block, whiten, anti-bacterial, anti-allergen)
- △ paint additive (deodorization, anti-moss, air purification)
- △ dye sensitized solar battery
- △ air purification system (coat for reaction part, filter, duct)

Usage instructions

- △ high speed cutting and mix up
- △ roller print
- △ air mix pressure spraying

Chemical description

nano titanium dioxide slurry

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance white aqueous slurry
- △ active matter content 10%(±1.5%)

Specification *

- △ PH Value 7.5-10.5
- △ average primary particle size <8nm
- △ crystal structure anatase
- △ agglomeration index 20-30
- △ density 1.08-1.11 g/ml
- △ BET surface area 240m²/g

Registration status

GENS NANO® S311 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual.

GENS NANO® S210

High Performance Nano TiO₂ Slurry

Special properties

- △ high concentration water-based nano TiO₂ slurry
- △ low agglomeration, super fine particle size
- △ high surface area
- △ high efficiency & performance
- △ high binding strength feature

Example of application

- △ cosmetic additive (UV block, whiten, anti-bacterial, anti-allergen)
- △ paint additive (deodorization, anti-moss, air purification)
- △ dye sensitized solar battery
- △ air purification system (coat for reaction part, filter, duct)
- △ water treatment system (coat for reaction unit, pipe)

Usage instructions

- △ high speed cutting and mix up
- △ roller print
- △ air mix pressure spraying

Chemical description

nano titanium dioxide slurry

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance white aqueous slurry
- △ active matter content 10%(±1.5%)

Specification *

- △ PH Value 7.5-10.5
- △ average primary particle size <8nm
- △ crystal structure anatase
- △ agglomeration index 20-30
- △ density 1.08-1.11 g/ml
- △ BET surface area 240m²/g

Registration status

GENS NANO® S210 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

10kg, 25 kg, Plastic barrel with carton
30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual.

GENS NANO[®] S211

High Performance Nano TiO₂ Slurry

Special properties

- ⚠ high concentration water-based nano TiO₂ slurry
- ⚠ low agglomeration, super fine particle size
- ⚠ high surface area
- ⚠ high efficiency & performance
- ⚠ high binding strength feature
- ⚠ high fluidity
- ⚠ high storage stability

Example of application

- ⚠ cosmetic additive (UV block, whiten, anti-bacterial, anti-allergen)
- ⚠ paint additive (deodorization, anti-moss, air purification)
- ⚠ dye sensitized solar battery
- ⚠ air purification system (coat for reaction part, filter, duct)
- ⚠ water treatment system (coat for reaction unit, pipe)

Usage instructions

- ⚠ high speed cutting and mix up
- ⚠ roller print
- ⚠ air mix pressure spraying

Chemical description

nano titanium dioxide slurry

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

** For more detailed technical data, please refer to relevant product manual.*

Technical Information

- ⚠ appearance white aqueous slurry
- ⚠ active matter content 10%(±1.5%)

Specification *

- ⚠ PH Value 7.5-10.5
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 20-30
- ⚠ density 1.08-1.11 g/ml
- ⚠ BET surface area 240m²/g

Registration status

GENS NANO[®] S211 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

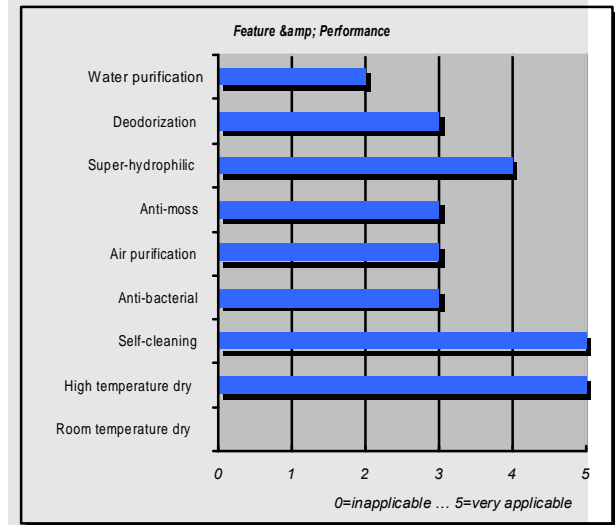
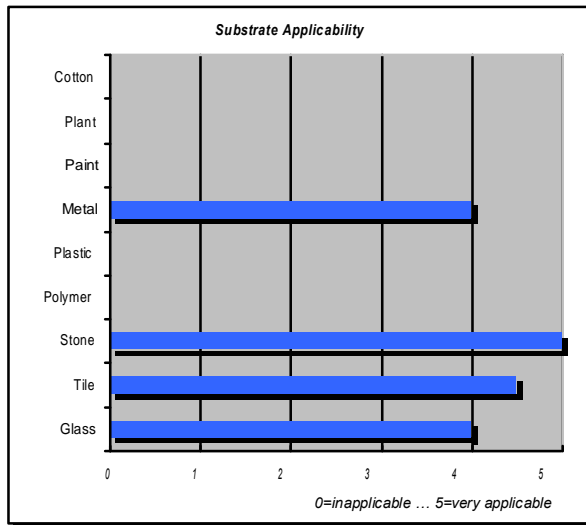
12 months in closed container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, highway and rail transportation

GENS NANO® G380P

Nano TiO₂ Sol Glass Heat Coating Agent



Special properties

- △ water-based nano TiO₂ sol
- △ glass surface passivation modification
- △ extra improved binding strength
- △ need heat over 400 °C(752 °F) after coating

Example of application

- △ self-cleaning & anti-fog glass surface processing
- △ self-cleaning & anti-moss marble, granite surface processing
- △ self-cleaning & anti-bacterial tile surface processing
- △ self-cleaning & anti-rust metal surface processing

Usage instructions

- △ recommend air mix pressure spraying

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellow transparent liquid
- △ active matter content 7500-10000(PPM)

Specification *

- △ PH Value 6.5-8.5
- △ average primary particle size <8nm
- △ crystal structure anatase / amorphous
- △ agglomeration index 2-4
- △ density 1.0075-1.01 g/ml
- △ binding strength excellent (level 5)

Registration status

GENS NANO® G380P ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

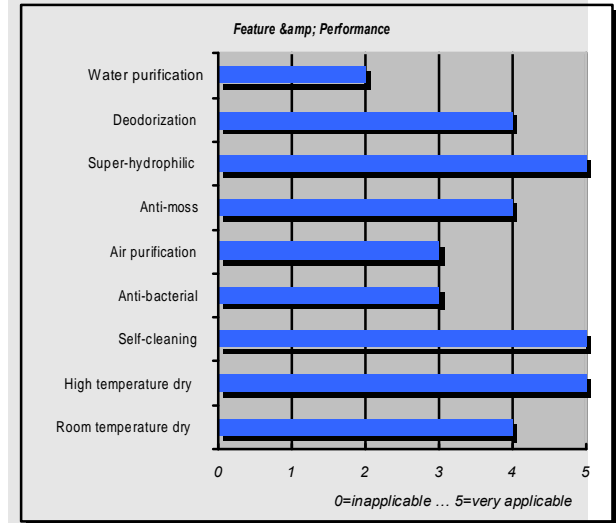
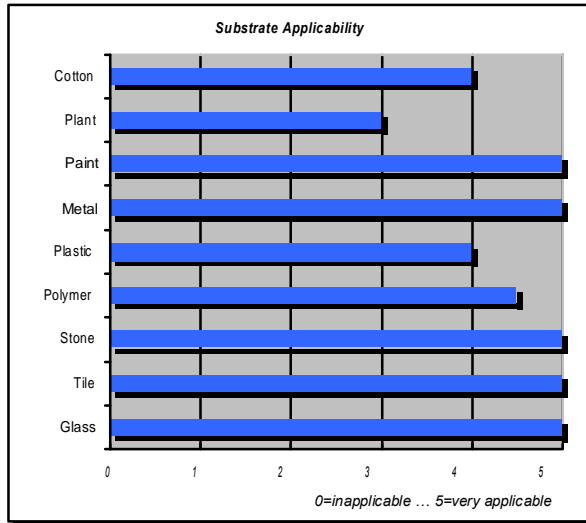
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® G502

Nano TiO₂ Sol Glass Room Temperature Coating Agent



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 600 °C(1,112 °F) drying

Example of application

- △ building exterior self-cleaning coating
- △ exterior glass surface self-cleaning coating
- △ exterior glossy metal self-cleaning coating

Usage instructions

- △ recommend air mix pressure spraying coating
- △ polish coating

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellowish transparent liquid
- △ active matter content 6000-8000(PPM)

Specification *

- △ PH Value 7-9
- △ average primary particle size <8nm
- △ crystal structure anatase
- △ agglomeration index 2-4
- △ density 1.006-1.008 g/ml
- △ binding strength strong (level 3)

Registration status

GENS NANO® G502 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

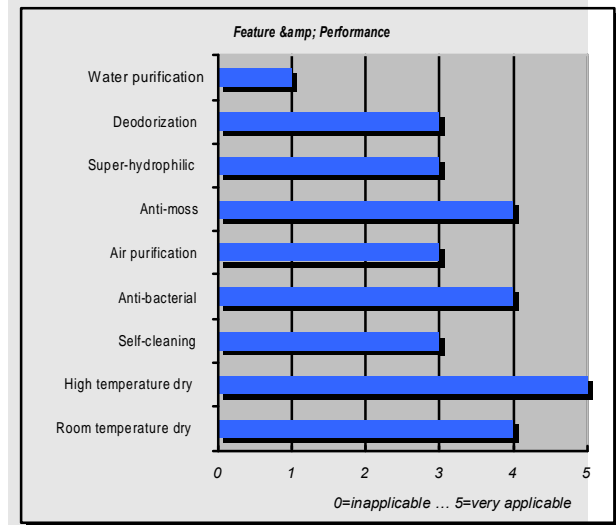
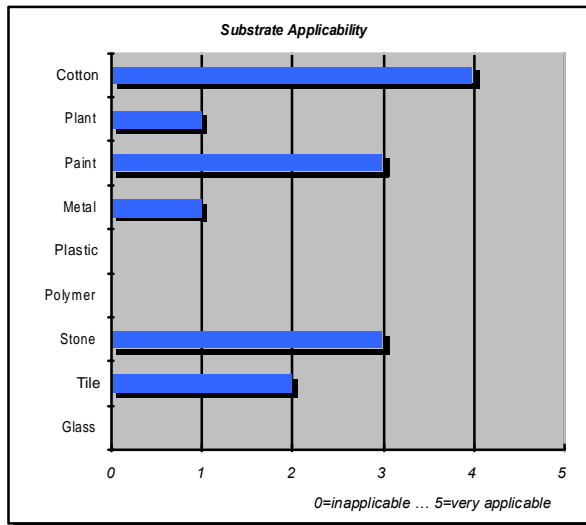
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® X450

Visible Light Response modified Nano TiO₂ Sol Coating Agent



Special properties

- ⊕ water-based nano TiO₂ sol
- ⊕ good anti-bacterial performance
- ⊕ no additive, surfactant and binder, suitable for re-processing

Example of application

- ⊕ UV/PCO filter & part coating (especial for anti-bacterial)
- ⊕ raw material or additive for other commercial PCO product

Usage instructions

- ⊕ recommend air mix pressure spraying
- ⊕ brush for rough surface
- ⊕ dipping for irregular items
- ⊕ mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⊕ refer to relevant coverage data sheet or product manual

Technical Information

- ⊕ appearance bluish white transparent liquid
- ⊕ active matter content 7500-10000(PPM)

Specification *

- ⊕ PH Value 7.5-9.5
- ⊕ average primary particle size <8nm
- ⊕ crystal structure anatase
- ⊕ agglomeration index 2-4
- ⊕ density 1.0075-1.01 g/ml
- ⊕ binding strength very weak (level 0)

Registration status

GENS NANO® X450 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

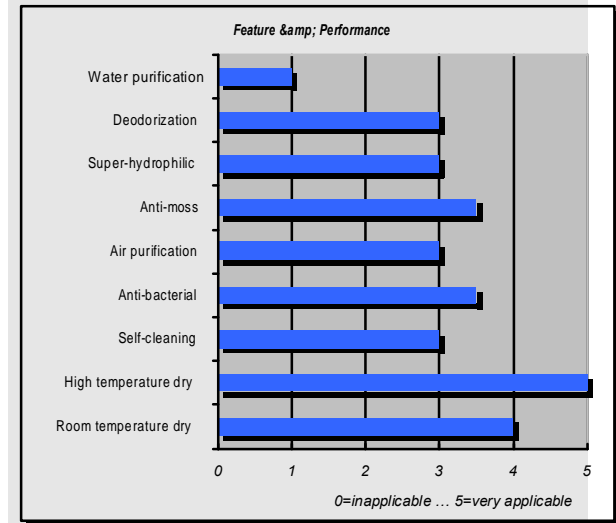
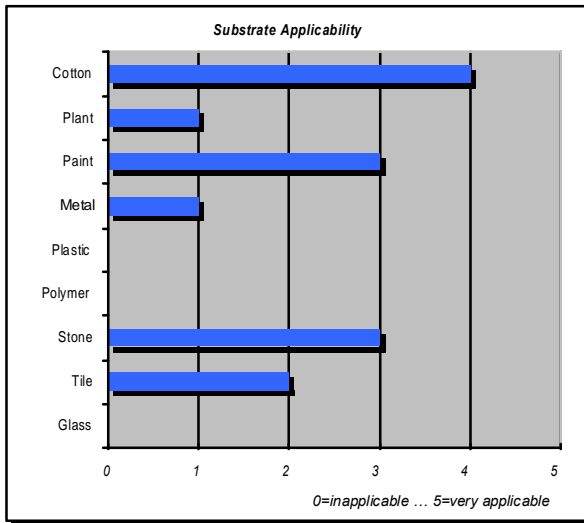
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® X452

Visible Light Response modified Nano TiO₂ Sol Coating Agent



Special properties

- ⚠ water-based nano TiO₂ sol
- ⚠ good anti-bacterial performance
- ⚠ improved binding strength
- ⚠ no additive and surfactant, suitable for re-processing

Example of application

- ⚠ UV/PCO filter & part coating (especial for anti-bacterial)
- ⚠ PCO lamp processing (need lamp pre-treatment)
- ⚠ raw material or additive for other commercial PCO product

Usage instructions

- ⚠ recommend air mix pressure spraying
- ⚠ brush for rough surface
- ⚠ dipping for irregular items
- ⚠ mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

Technical Information

- ⚠ appearance yellowish transparent liquid
- ⚠ active matter content 7500-10000(PPM)

Specification *

- ⚠ PH Value 7-9
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 2-4
- ⚠ density 1.0075-1.01 g/ml
- ⚠ binding strength strong (level 3)

Registration status

GENS NANO® X452 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

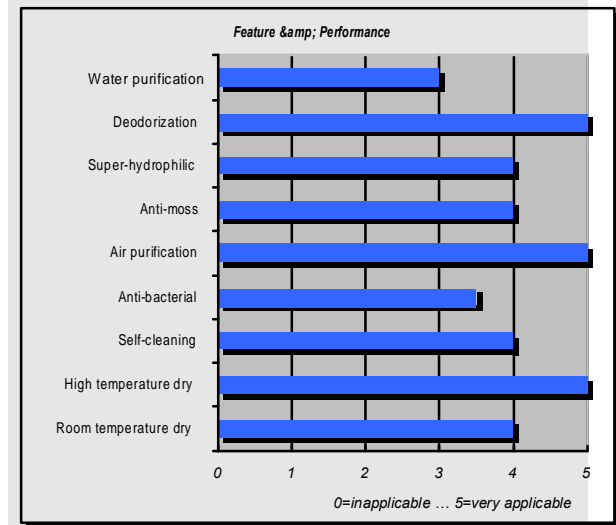
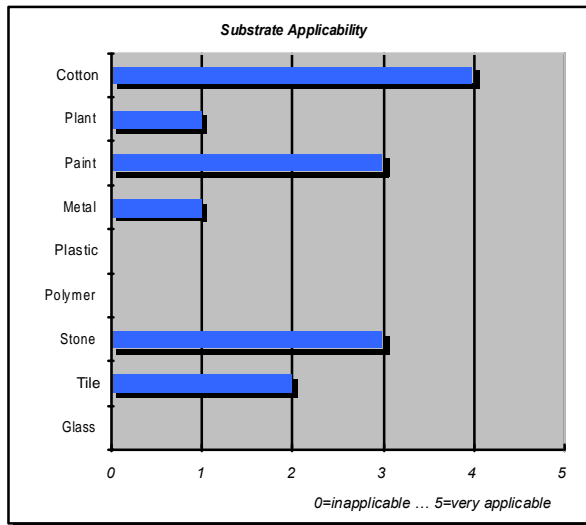
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® X500

Visible Light Response modified Nano TiO₂ Sol Coating Agent



Special properties

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

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
- ⊕ brush for rough surface
- ⊕ dipping for irregular items
- ⊕ mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⊕ refer to relevant coverage data sheet or product manual

Technical Information

- ⊕ appearance bluish white transparent liquid
- ⊕ active matter content 7500-10000(PPM)

Specification *

- ⊕ PH Value 7.5-9.5
- ⊕ average primary particle size <8nm
- ⊕ crystal structure anatase
- ⊕ agglomeration index 2-4
- ⊕ density 1.0075-1.01 g/ml
- ⊕ binding strength very weak (level 0)

Registration status

GENS NANO® X500 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

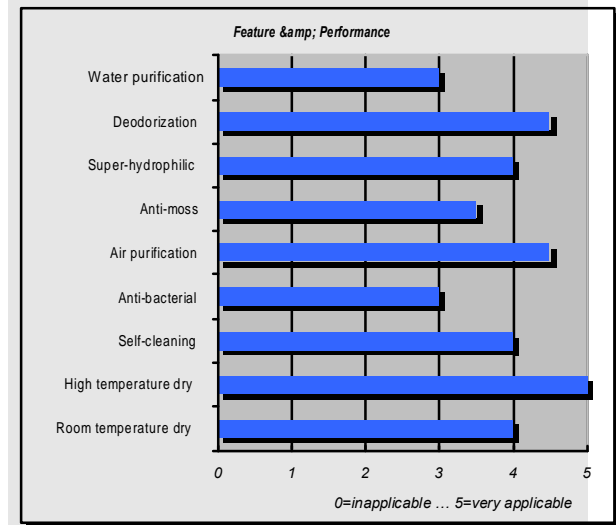
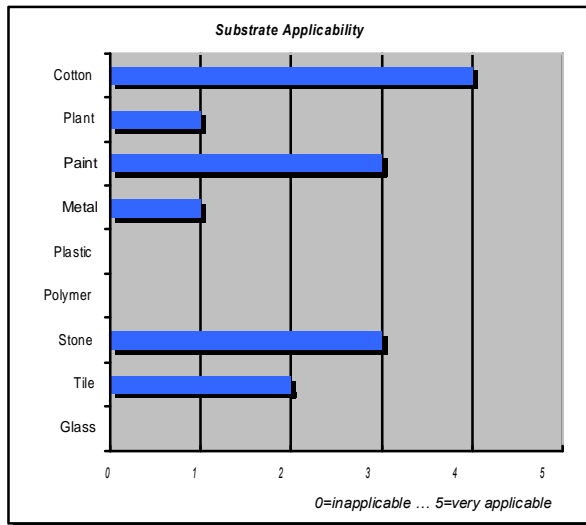
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO[®] X502

Visible Light Response modified Nano TiO₂ Sol Coating Agent



Special properties

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

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
- △ brush for rough surface
- △ dipping for irregular items
- △ mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellowish transparent liquid
- △ active matter content 7500-10000(PPM)

Specification *

- △ PH Value 7-9
- △ average primary particle size <8nm
- △ crystal structure anatase
- △ agglomeration index 2-4
- △ density 1.0075-1.01 g/ml
- △ binding strength normal (level 2)

Registration status

GENS NANO[®] X502 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

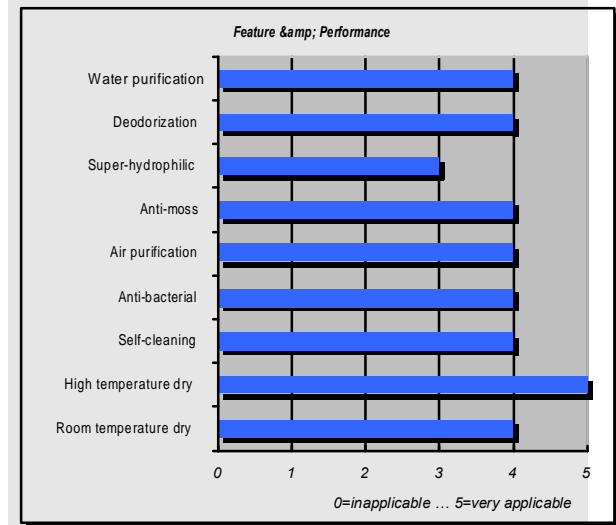
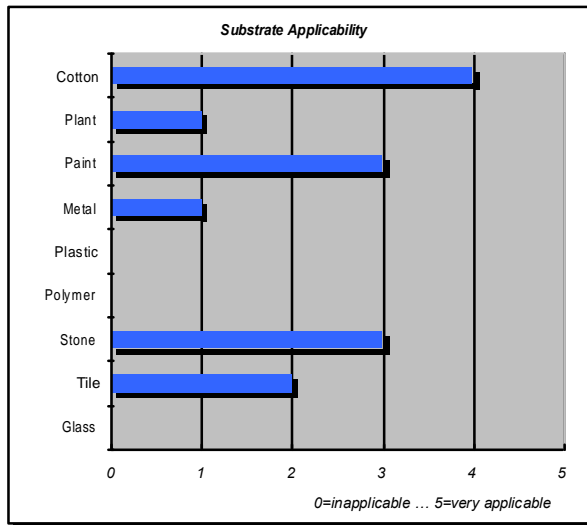
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® X550

Visible Light Response modified Nano TiO₂ Sol Coating Agent



Special properties

- ⊕ water-based nano TiO₂ sol
- ⊕ very high efficiency
- ⊕ excellent organic pollutant decomposition performance in water
- ⊕ no additive, surfactant and binder, suitable for re-processing

Example of application

- ⊕ PCO filter & part coating (especial for organic decomposition)
- ⊕ PCO water treatment device part coating
- ⊕ raw material or additive for other commercial PCO product

Usage instructions

- ⊕ recommend air mix pressure spraying
- ⊕ brush for rough surface
- ⊕ dipping for irregular items
- ⊕ mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⊕ refer to relevant coverage data sheet or product manual

Technical Information

- ⊕ appearance bluish white transparent liquid
- ⊕ active matter content 7500-10000(PPM)

Specification *

- ⊕ PH Value 9-11
- ⊕ average primary particle size <8nm
- ⊕ crystal structure anatase
- ⊕ agglomeration index 2-4
- ⊕ density 1.0075-1.01 g/ml
- ⊕ binding strength very weak (level 0)

Registration status

GENS NANO® X550 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

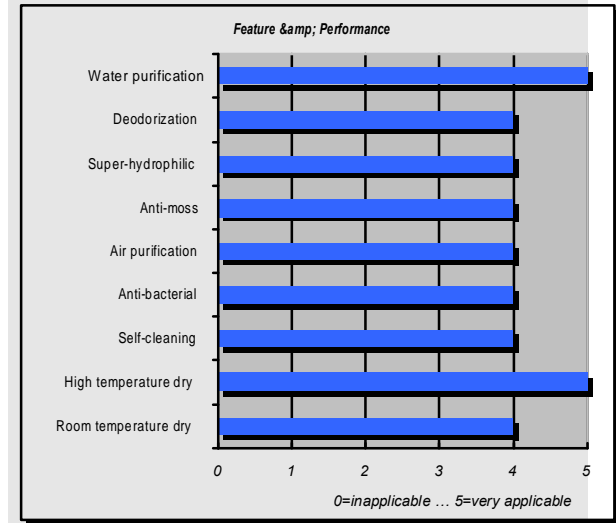
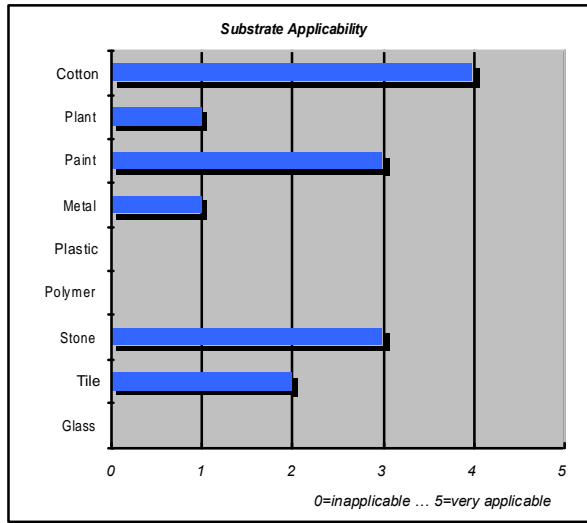
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® PT600

Platinum doping modified Nano TiO₂ Sol Coating Agent



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
- ± PCO industrial air purification system part coating
- ± raw material or additive for other commercial PCO product

Usage instructions

- ± recommend air mix pressure spraying
- ± brush for rough surface
- ± dipping for irregular items
- ± mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- ± refer to relevant coverage data sheet or product manual

Technical Information

- ± appearance bluish white transparent liquid
- ± active matter content 7500-10000(PPM)

Specification *

- ± PH Value 7.5-9.5
- ± average primary particle size <8nm
- ± crystal structure anatase
- ± agglomeration index 2-4
- ± density 1.0075-1.01 g/ml
- ± binding strength very weak (level 0)

Registration status

GENS NANO® PT600 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

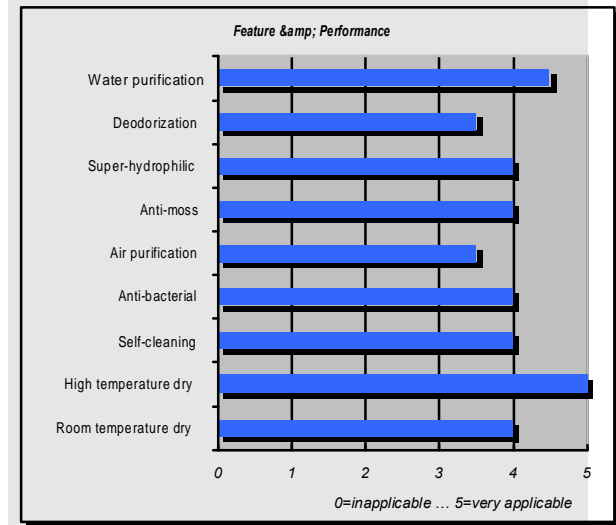
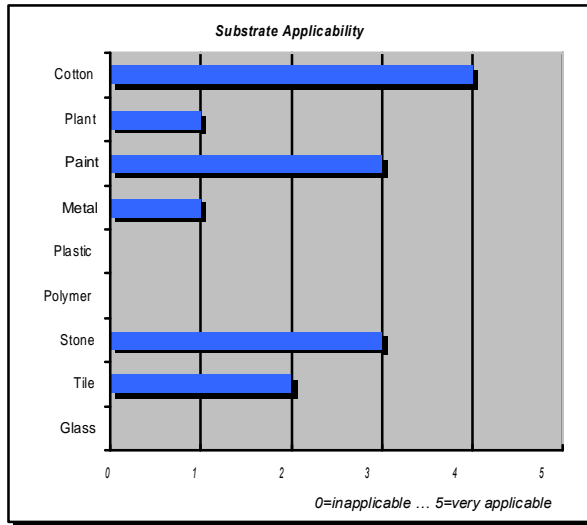
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® PT602

Platinum doping modified Nano TiO₂ Sol Coating Agent



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 and surfactant, suitable for re-processing

Example of application

- ⚠ PCO filter & part coating (good balance for most application)
- ⚠ PCO water treatment device part coating
- ⚠ PCO industrial air purification system part coating
- ⚠ high efficient exterior PCO & self-cleaning coating
- ⚠ raw material or additive for other commercial PCO product

Usage instructions

- ⚠ recommend air mix pressure spraying
- ⚠ brush for rough surface
- ⚠ dipping for irregular items
- ⚠ mix with binder or other modified active matter

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

** For more detailed technical data, please refer to relevant product manual*

Technical Information

- ⚠ appearance yellowish transparent liquid
- ⚠ active matter content 7500-10000(PPM)

Specification *

- ⚠ PH Value 7-9
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 2-4
- ⚠ density 1.0075-1.01 g/ml
- ⚠ binding strength very weak (level 0)

Registration status

GENS NANO® PT602 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

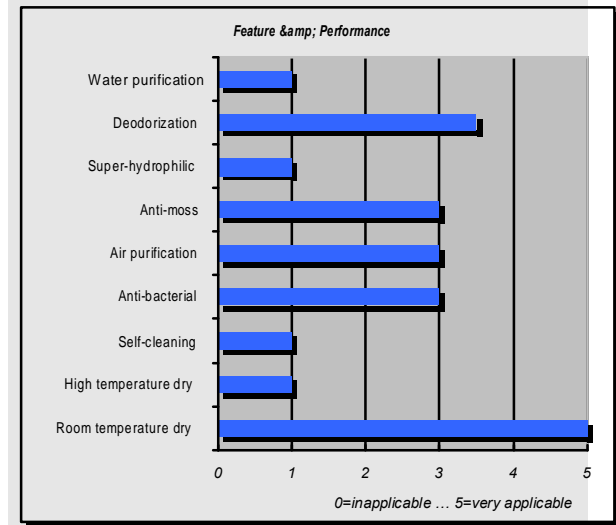
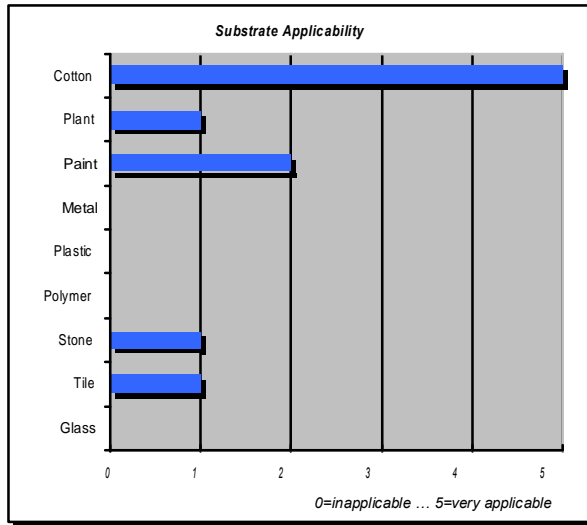
12 months in closed container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, highway and rail transportation

GENS NANO® F380

Nano TiO₂ Sol Fabric Coating Agent



Special properties

- △ water-based nano TiO₂ sol
- △ special applicable for fabric coating & processing
- △ UV response
- △ low application cost

Example of application

- △ fabric coating for deodorization, anti-bacterial and air purification

Usage instructions

- △ recommend dipping
- △ air mix pressure spraying
- △ brush

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellowish transparent liquid
- △ active matter content 7500-10000(PPM)

Specification *

- △ PH Value 7-9
- △ average primary particle size <8nm
- △ crystal structure anatase
- △ agglomeration index 2-4
- △ density 1.0075-1.01 g/ml
- △ binding strength very strong (level 4)

Registration status

GENS NANO® F380 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

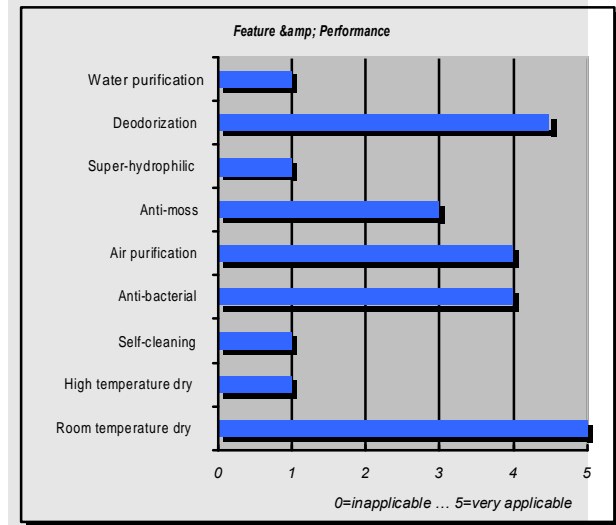
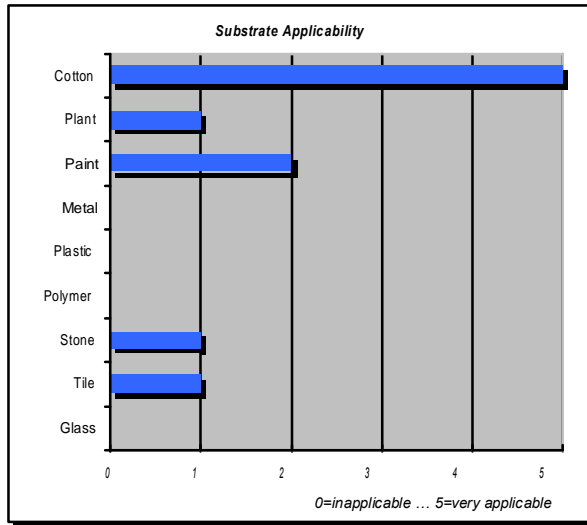
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® F500

Nano TiO₂ Sol Fabric Coating Agent



Special properties

- ⚠ water-based nano TiO₂ sol
- ⚠ special applicable for fabric coating & processing
- ⚠ high efficiency

Example of application

- ⚠ fabric coating for deodorization, anti-bacterial and air purification

Usage instructions

- ⚠ recommend dipping
- ⚠ air mix pressure spraying
- ⚠ brush

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚠ refer to relevant coverage data sheet or product manual

Technical Information

- ⚠ appearance yellowish transparent liquid
- ⚠ active matter content 7500-10000(PPM)

Specification *

- ⚠ PH Value 7-9
- ⚠ average primary particle size <8nm
- ⚠ crystal structure anatase
- ⚠ agglomeration index 2-4
- ⚠ density 1.0075-1.01 g/ml
- ⚠ binding strength very strong (level 4)

Registration status

GENS NANO® F500 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

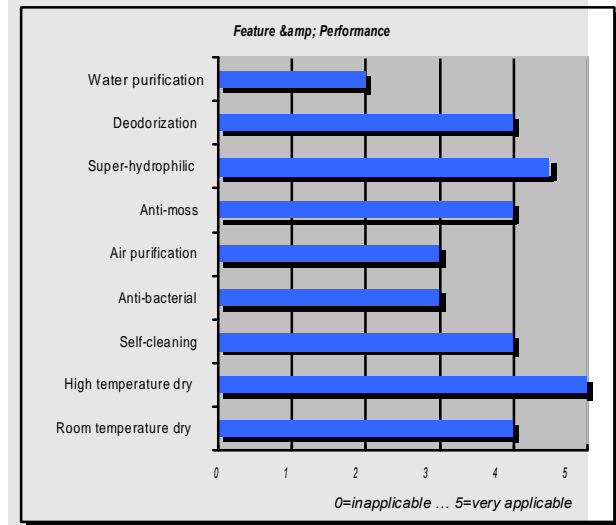
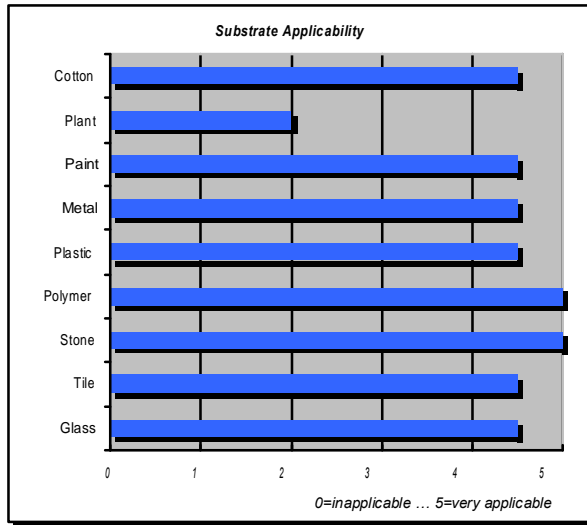
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO[®] O502

Nano TiO₂ Sol Plastic Coating Agent



Special properties

- △ water-based nano TiO₂ sol
- △ improved wetting feature for plastic and polymer coating
- △ optimization for polish coating
- △ high efficiency
- △ room temperature to 600 °C(1,112 °F) drying

Example of application

- △ high efficient plastic coating
- △ polymer fabric coating & processing

Usage instructions

- △ recommend air mix pressure spraying
- △ polish coating for smooth surface
- △ dipping for fabric & irregular items

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellowish transparent liquid
- △ active matter content 6000-8000(PPM)

Specification *

- △ PH Value 7-9
- △ average primary particle size <8nm
- △ crystal structure anatase
- △ agglomeration index 2-4
- △ density 1.006-1.008 g/ml
- △ binding strength strong (level 3)

Registration status

GENS NANO[®] O502 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

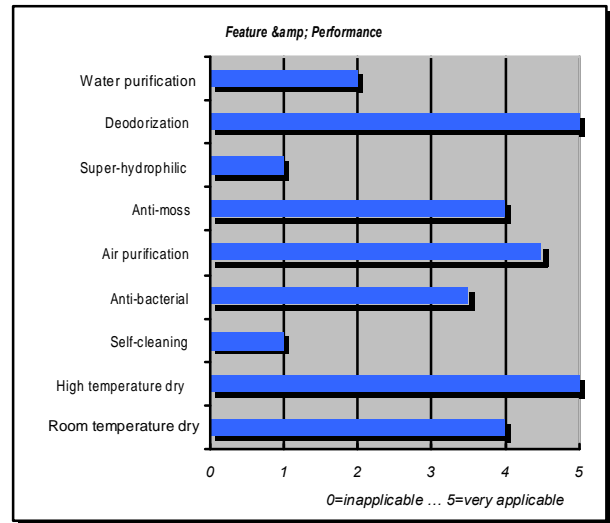
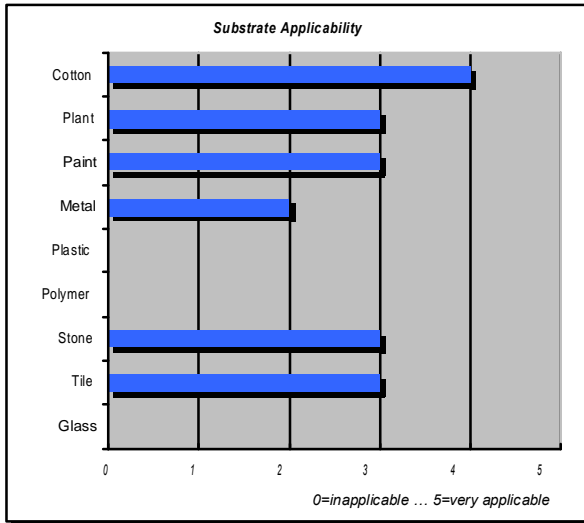
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® AeroTi 500 - Private Label (2000 pcs minimum)

Nano TiO₂ Aerosol Coating Agent



Special properties

- ⚡ aerosol package
- ⚡ fine atomization
- ⚡ high efficiency
- ⚡ very easy to use and carry

Example of application

- ⚡ house sanitization & deodorization coating
- ⚡ pocketed antiseptic
- ⚡ home clothes & fabric processing

Usage instructions

- ⚡ spray coating

Chemical description

nano titanium dioxide sol

Dosage instruction

- ⚡ refer to relevant coverage data sheet or product manual

Technical Information

- ⚡ appearance bluish white transparent liquid
- ⚡ active matter content 7500-10000(PPM)

Specification *

- ⚡ PH Value 7.5-9.5
- ⚡ average primary particle size <8nm
- ⚡ crystal structure anatase
- ⚡ agglomeration index 2-4
- ⚡ density 1.0075-1.01 g/ml
- ⚡ binding strength weak (level 1)
- ⚡ propellant DME

Registration status

GENS NANO AeroTi 500 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 160ml aerosol package
- customized size aerosol package available

Storage stability

12 months in closed container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual.

GENS NANO® H305

UV Response High Concentration Nano TiO₂ Sol

Special properties

- △ high concentration water-based nano TiO₂ sol
- △ low agglomeration, super fine particle size
- △ high stability & quick gel feature
- △ high surface area
- △ high efficiency & performance

Example of application

- △ cosmetic additive (UV block, whiten, anti-bacterial, anti-allergen)
- △ paint additive (deodorization, anti-moss, air purification)
- △ dye sensitized solar battery
- △ air purification system (coat on reaction part, filter, duct)

Usage instructions

- △ high speed cutting and mix up
- △ roller print
- △ air mix pressure spraying

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellowish semi-transparent liquid (gel)
- △ active matter content 5%(±1%)

Specification *

- △ PH Value 7.5-10.5
- △ average primary particle size <8nm
- △ crystal structure anatase
- △ agglomeration index 4-10
- △ density 1.04-1.06 g/ml
- △ BET surface area 160m²/g

Registration status

GENS NANO® H305 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

10kg, 25 kg, Plastic barrel with carton
30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

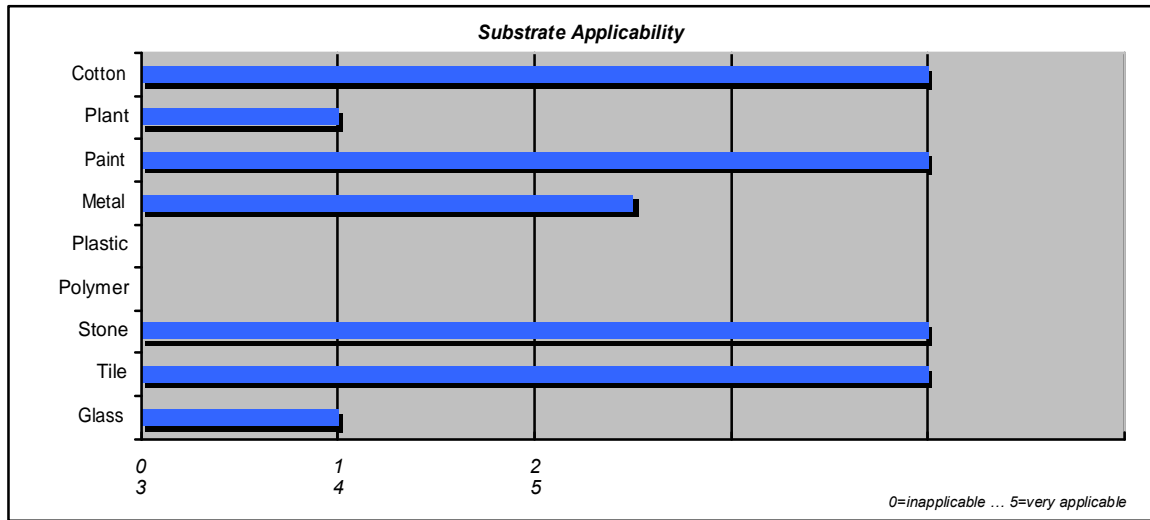
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual.

GENS NANO® PR-A8

Primer Coating Agent



Special properties

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

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
- △ brush for rough surface
- △ dipping for irregular items

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellow transparent liquid
- △ active matter content 7500-10000(PPM)

Specification *

- △ PH Value 6-8
- △ average primary particle size <3nm
- △ crystal structure amorphous
- △ agglomeration index <10
- △ density 1.0075-1.01 g/ml
- △ binding strength very strong (level 4)

Registration status

GENS NANO® PR-A8 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

10kg, 25 kg, Plastic barrel with carton
30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

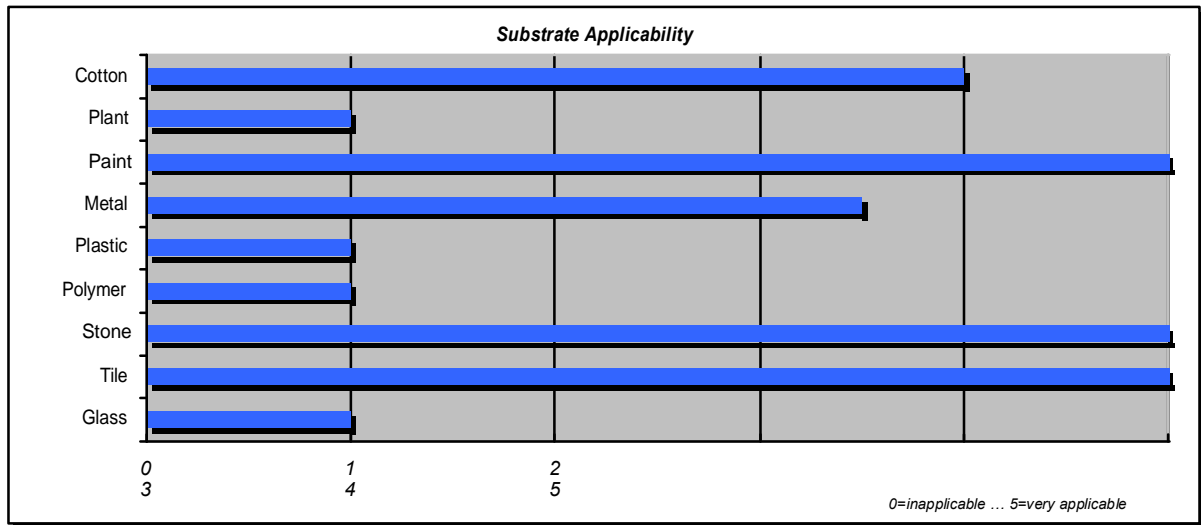
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® PR-08

Primer Coating Agent



Special properties

- △ water-based primer for nano photocatalyst coating
- △ block UV
- △ protect organic substrate from photocatalytic oxidation damage
- △ improved coating feature on rough surface
- △ enhance binding strength of top photocatalyst coating

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
- △ brush for rough surface
- △ dipping for irregular items

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellow transparent liquid
- △ active matter content 7500-10000 (PPM)

Specification *

- △ PH Value 6-8
- △ average primary particle size <3nm
- △ crystal structure amorphous
- △ agglomeration index <10
- △ density 1.0075-1.01 g/ml
- △ binding strength very strong (level 4)

Registration status

GENS NANO® PR-08 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

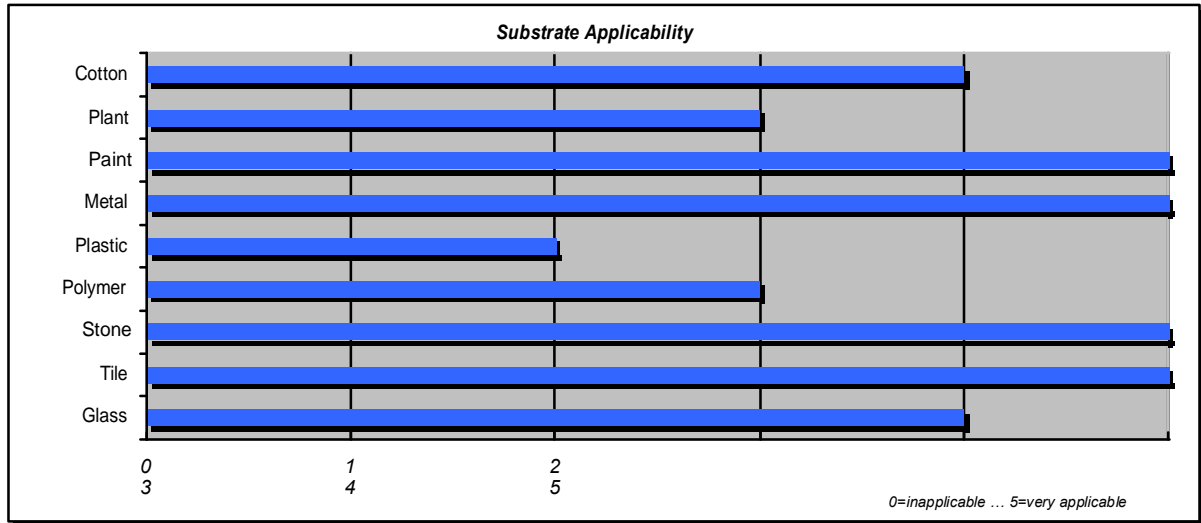
Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual

GENS NANO® PR-T8

Primer Coating Agent



Special properties

- △ water-based primer for nano photocatalyst coating
- △ block UV
- △ protect organic substrate from photocatalytic oxidization damage
- △ improved coating feature on non-porous & smooth surface
- △ enhance binding strength of top photocatalyst coating

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
- △ brush for rough surface
- △ dipping for irregular items

Chemical description

nano titanium dioxide sol

Dosage instruction

- △ refer to relevant coverage data sheet or product manual

Technical Information

- △ appearance yellow transparent liquid
- △ active matter content 6500-9000(PPM)

Specification *

- △ PH Value 6-8
- △ average primary particle size <3nm
- △ crystal structure amorphous
- △ agglomeration index <10
- △ density 1.0065-1.009 g/ml
- △ binding strength very strong (level 4)

Registration status

GENS NANO® PR-T8 ingredients are listed in following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package

- 10kg, 25 kg, Plastic barrel with carton
- 30 kg, 100 kg, 200 kg Plastic barrel

Storage stability

12 months in closed container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, highway and rail transportation

* For more detailed technical data, please refer to relevant product manual