



EXOCOAT AM

Nano Titanium Oxide Sol

General Information

EXOCOAT AM is a doped Nano Titanium oxide with a strong antimicrobial effect.

Description and Application

EXOCOAT AM is a photocatalytic nano titanium targeted to render substrates into antiviral and antibacterial surfaces. The system is known to prevent the build-up of microbes as the photocatalytic effect results in effective radical formation which breaks down viruses and bacteria. Tested according to international norms. Viruses as Influenza, SARS-COV-2, Dengue and Hepatitis will be eradicated immediately upon landing on an EXOCOAT AM coated surface. Also, bacteria as E. Coli, MSRA, Streptococcus, Pneumonia and Salmonella will be eradicated by this coating. EXOCOAT AM is activated by light. The light source maybe artificial, indoor or outside day light. Important is that EXOCOAT AM is used as topcoat to ensure its full effect. Indoors EXOCOAT AM can be used on any surface. Spray application is recommended to reach, thin monolayers which proof to be more effective.

Features

- Water-based nano-TiO₂ sol
- High efficiency prevent the growth of any microbes (Influenza, Listeria, MRSA, Ecoli, pseudomonas)
- Quick drying under room temperature
- Full cure:
 - Under UV light (0.5-1mW for 1 week curing or 2mW 48 hours or 40-50mW for 30 mins)
 - Or heat treatment 400°C for 5 minutes maximum
- Superhard particles (1GPa Vickers)

Example of application

- Antimicrobial topcoat for any surface inside buildings, stores, hospitals, vehicles

Usage instructions

- Conventional Spray
 - Nozzle 0.8 to 1.2 mm, 3 bar, 40cm
- Wiping (matt surfaces)
- Rolling (porous substrates)
- Brush (porous substrates)
- Cold fogging

Specifications

Active content:	0.8-1.0%
PH:	8-10

Physical Properties

Appearance	Yellowish clear liquid
Crystal structure:	Anatase
Particle size:	8nm
Density:	1.02-1.03g/ml

EXOCOAT AM is registered in the following inventories:

- CAS, EINECS, TSCA, AICS, CEPA, MITI, BPR

Storage

9 months in original container under 5-45°C, dark condition

Transportation

No transport danger in air, sea, road and rail transportation.

Think about your impact on the environment: reduce, reuse or recycle! Contact Axcentive if you feel we could be of help.



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