



# EXOCOAT 151B

Pure Nano Titanium Oxide Sol

### General Information

EXOCOAT 151B is a doped Nano Titanium oxide with a strong self-cleaning performance.

### Description and Application

EXOCOAT 151B is a photocatalytic nano titanium oxide which renders substrates into air purifying and self-cleaning walls. The photocatalytic effect results in effective radical formation which breaks down airborne organic matter like NO<sub>x</sub>, VOC and bio pollution. It can be used as general air purifier.

Upon activation by light EXOCOAT 151B coated walls transform super-hydrophilic enhancing the water-sheeting, also called wash off effect.

EXOCOAT 151B has a very low activation barrier and will activate under visible light.

Important is that EXOCOAT 151B is used as topcoat to ensure its full effect. Its effectivity is based on radical eradication of all organic components as well as NO<sub>x</sub>.

EXOCOAT 151B may be used on porous substrates, like concrete and wood. Spray application is recommended to reach, thin monolayers which proof to be more effective.

### Features

- Water-based nano-TiO<sub>2</sub> sol
- High efficiency
- Quick drying under room temperature
- Drying: from room temperature up to 300°C.
- Superhard particles (1GPa Vickers)

### Example of application:

- Self-cleaning topcoat for porous substrates, like concrete and wood
- Air purifying coating for interiors

### Usage instructions

- Conventional spray
- Air mix pressure spraying
- Dipping
- Rolling
- Brush

### Specifications

Active content:	2.2 to 2.5%
PH:	8-10

### Physical Properties

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

### Regulatory

EXOCOAT 151B complies with the EC Regulation 1907/2006 (REACH) and is registered in the following inventories:

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

### Packaging

250ml, 2L, 5l

### 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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