



EXOCOAT 151B (Development Product)

Nano Titanium Oxide Sol

Product Data Sheet

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 NOx and VOC. It also acts against dirt, fungus and microbes. 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_x.

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

Features

- Water-based nano-TiO₂ 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

Usage instructions

- Air mix pressure spraying
- Dipping
- Rolling
- Brush

Specifications

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

Physical Properties

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

EXOCOAT 151B is registered in the following inventories:

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

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.



The information presented herein is true and accurate to the best of our knowledge, but without any guarantee unless explicitly given. Since the conditions of use are beyond our control, we disclaim any liability, including for patent infringement, incurred in connection with the use of these products, data or suggestions.

Europe, Americas, Middle East and Africa
Axcentive SARL
Chemin de Champouse
13320 Bouc Bel Air, France
+33 4 42 69 40 90

Asia, India and Australasia
Axcentive Asia Pte Ltd
13 Lorong 8 Toa Payoh,
#07-01 Braddell Tech Park
319261 Singapore
+65 6258 6338