

Summary of Photocatalytic Nano-Titanium Dioxide Powder EFUT-C05

I. Basic Information

- CAS Number: 13463-67-7

II. Core Properties

- Small Particle Size: Average particle size is only 5 nanometers.
- Excellent Dispersibility: Self-dispersible in pure water without stirring; forms a uniform nano-coating when sprayed after dispersion.
- High Catalytic Activity: Captures and degrades indoor harmful gases such as formaldehyde, benzene, and ammonia, with excellent deodorization effect.

III. Technical Specifications

Item	Specification
Model	EFUT-C05
Powder Appearance	White to pale yellow powder
Appearance of Powder Dissolved in Water	Translucent liquid
Average Particle Size	5nm
Titanium Dioxide Content (Dry Basis)	99.9%
Surface Property	Hydrophilic

IV. Usage Method

Dissolve 100g of powder in 10kg of pure water, distilled water, or deionized water to prepare an aqueous solution with a solid content of 1%, then spray directly on wall surfaces, furniture surfaces, automobile interiors, etc.

V. Usage Precautions

1. For dark-colored and high-gloss furniture, use an imported spray gun with a caliber of 0.5mm-1mm, and perform atomized spraying uniformly at a constant speed to avoid sagging and unevenness.
2. Avoid spraying on metal stainless steel parts and take protective measures before construction.
3. During furniture construction, focus on treating rough surfaces, side surfaces, back surfaces, inner sides, and bottom surfaces.
4. For wallpapers, it is recommended to spray with an aqueous solution of 0.5% concentration or lower, or not to spray.
5. Avoid spraying on the human body; if it gets into the eyes, rinse thoroughly with running water.
6. Control the spraying distance: too close will cause sagging and marks, while too far will result in white spots or reduced adhesion.
7. Clean the spraying equipment with clean water after construction to prevent nozzle clogging and corrosion.
8. Immediately wipe off the spray liquid if it adheres to non-target objects.
9. Construct after the surface to be sprayed is fully dry, and strictly prohibit contact with water within 2 hours after spraying.
10. Avoid construction in enclosed spaces and ensure adequate ventilation after construction.
11. Reference Usage: 100g is recommended for a building area of 100 m²; adjust appropriately according to the excessive situation of harmful gases.
12. Wear goggles, masks, and gloves during construction, and use long-sleeved clothes and long pants for protection.

VI. Packaging Specifications

- 100g/bag, 1kg/bottle