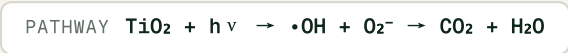


TVOC & PHOTOCATALYTIC COATINGS · 5-10NM VISIBLE-LIGHT ANATASE TiO<sub>2</sub>

# Nano Photocatalyst Spray

Visible-light-activated 5-10nm anatase nano-TiO<sub>2</sub> dispersion for long-term photocatalytic oxidation on walls and ceilings.



TECHNICAL SPECIFICATIONS & OPERATING PARAMETERS

Factory QC Standard · Verified Batch Parameters

|                               |                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Active Ingredient             | 5-10nm Anatase Nano-Titanium Dioxide (TiO <sub>2</sub> ) aqueous dispersion                                       |
| Activation Spectrum           | UV and Visible Indoor Light (380nm – 550nm doped response)                                                        |
| Target Pollutants             | Formaldehyde (HCHO), TVOC, Benzene homologues, Ammonia, Organic surface odors                                     |
| Recommended Nozzle & Pressure | 0.5mm – 0.8mm HVLP spray gun at 0.2 – 0.3 MPa air pressure                                                        |
| Recommended Dosage            | 8 – 12 ml/m <sup>2</sup> in a uniform cross-hatch pass                                                            |
| pH & Binder System            | pH 6.5 – 7.5; inorganic self-adhering sol (no organic binder yellowing)                                           |
| Product Grade                 | Visible-Light Architectural & Commercial Photocatalytic Grade                                                     |
| Specific Gravity / Density    | 1.01 - 1.03 g/cm <sup>3</sup> (20 °C)                                                                             |
| Flash Point & VOC Content     | Non-flammable (Aqueous dispersion) · VOC: 0 g/L (100% inorganic aqueous carrier)                                  |
| Application Method            | 0.5mm-0.8mm HVLP precision spray gun at 30-40 cm distance                                                         |
| Transport & Customs HS Code   | Non-Dangerous Goods (Non-DG for Sea/Air) · HS 3815.90.0000                                                        |
| Quality & Test Compliance     | ISO 22197-1 / JIS R 1701-1 Photocatalytic Oxidation (92.4% HCHO & 89.6% TVOC mineralization under 420-450 nm LED) |