



PURETi Coat is a non-toxic, environmentally friendly, water and titania based, photocatalytic mineral film former that contains highly photoactive anatase Titanium Dioxide suspended in water. PURETi Coat air dries to form durable, ultra-thin and invisible film that oxidizes organic micro particles when irradiated by UV light. PURETi Coat was specially designed for concrete, asphalt, stucco and similar porous/semi-porous surfaces. PURETi Coat creates a sustainable, self-cleaning surface that continuously breaks down grime, odors, NOx, VOCs and organic film buildup. PURETi Coat is ready to use and should not be diluted.

FEATURES AND BENEFITS:

- Formulated to create a photocatalytic surface which continuously oxidizes organic micro particles at the molecular level.
- Reduces exterior cleaning maintenance costs by up to 50%, water, energy, chemicals, and labor expended in cleaning.
- When light charged, it creates a hydrophilic surface that causes water to sheet away.
- Treated surfaces help eliminate odors, reduce VOCs and improve IAQ

LIGHT REQUIREMENTS:

- PURETi Coat coated surfaces need the UV irradiance of 0.1 mW/cm² to trigger the self-cleaning properties and 0.001 mW/cm² to trigger odor abatement.

SURFACE PREPARATION:

- Surface to be treated with PURETi Clean must be thoroughly clean.
- If necessary, clean surface with a recommended cleaning solution.

APPLICATION:

- Temperature should be in the range of 40-90°F and relative humidity should be at least 30%
- Stir/shake the material thoroughly before each use.
- Surface must be completely dry before application.
- Apply one (1) light coat in a cross-hatch manner using a electrostatic spray (ESS) gun or a High Volume Low Pressure (HVLP) spray gun. We recommend spraying a ¼" overlap. Application pressure should be maintained between 30-40 psi. and distance from the substrate should be 3-4 ft (ESS) or 6-8 inches (HVLP)
- PURETi Coat dries to the touch within minutes depending on environmental conditions. Do not apply PURETi Coat if rain is expected within 48 hours from the time of intended application.
- Do not clean treated surface with PURETi for at least 14 days after application.
- Clean up equipment with deionized water and rinse thoroughly.



COVERAGE:

Coverage will vary depending on type of surface. PURETi Coat covers approximately 3500 square feet per gallon on smoother, less porous surfaces, and 3,000 square feet per gallon on porous surfaces.

PACKAGING:

PURETi Coat is available in 5 and 55 gal containers.

PRODUCT DESCRIPTION:

Color and Odor:	Milky with bland smell
VOC:	not known
Density:	8.35 lbs/gal
Weight Solids:	2.00 +/-0.05%
Volume Solids:	<2.00%
pH:	6.5-8.5
Flash Point:	Not Applicable
Chemical Stability	Stable
Hazardous By-Products:	None Known
Hazardous Polymerization:	Will not occur
Use of Protective Equipment:	None required under normal use. If conditions exist that result in prolonged direct exposure, rubber gloves, half face respirators and safety glasses are recommended

STORAGE REQUIREMENTS:

- Material is frost sensitive.
- Recommended storage temperature: 40°F - 90°F (5°C - 32°C).
- Shelf life: 1 year stored in original, unopened containers at temperature not to exceed 95°C

WASTE DISPOSAL:

- Use completely or dispose of in accordance with local, state, and federal regulations.
- Refer to MSDS for further information.

This information presented herein is our interpretation of certain test results and field experience to date. This information is not to be taken as warranty or representation for which we assume legal responsibility. Consult your Coatings Specialist Group™ representative to obtain the most recent Product Data Sheet.