



PURETi Clean solution 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 Clean air dries to form durable, ultra-thin and invisible film that oxidizes organic micro particles when irradiated by UV light. End use applications include self-cleaning building and product surfaces, environmental control, and odor abatement surfaces. PURETi Clean 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.
- Creates a hydrophilic surface that causes water to sheet away.
- Reduces maintenance costs, water, energy, chemicals, and labor expanded in cleaning.
- Applicable to any surface including cement, stone, ceramic tile, painted walls, plastic, and metal.

LIGHT REQUIREMENTS:

- PURETi Clean coated surfaces need the UV irradiance of 0.1 mW/cm² to trigger the self-cleaning or decomposition of organic matter 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.
- Allow the surface to dry before applying a coat of PURETi Base Coat. Follow detail instructions in the application section of PURETi Base Data Sheet. PURETi Clean is applied after and on top of PURETi Base.

APPLICATION:

- Temperature should be in the range of 40-90F and relative humidity should be at least 30%.
- Stir the material thoroughly before each use.
- Surface must be dry to the touch following application of PURETi Base. Apply PURETi Clean on top of PURETi Base.
- Apply one (1) light coat in a cross-hatch manner using an 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 Clean dries to the touch within minutes depending on environmental conditions. Do not apply PURETi Clean if rain is expected within 48 hours from the time of intended application.
- Do not clean treated surface with PURETi Clean for 12-14 days after application.
- Clean up equipment with warm water and rinse thoroughly.



COVERAGE:

Coverage will vary depending on type of surface. PURETi Clean covers approximately 4,000 square feet per gallon on smooth surfaces, and 3,000 square feet per gallon on porous surfaces.

PACKAGING:

PURETi Clean is available in 5 and 55 gal containers.

PRODUCT DESCRIPTION:

Color and Odor:	Milky with bland smell
VOC:	0.0 lbs/gal (0.0 g/l)
Density:	8.35 lbs/gal
Weight Solids:	2.00 +/-0.05%
Volume Solids:	<2.00%
pH:	7.75 +/-0.25
Flash Point:	Not Applicable
Chemical Stability	Stable
Hazardous By-Products:	None Known
Hazardous Polymerization:	Will not occur
Use of Protective Equipment:	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.