



pureticlear

PURETi Clear_™ 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 Clear air dries to form durable, ultra-thin and invisible film that oxidizes organic micro particles when irradiated by UV light. PURETi Clear was specially developed for glass windows, solar panels, LED screens and polycarbonate surfaces. PURETi Clear creates a sustainable, self-cleaning surface that continuously breaks down grime and organic film buildup. PURETi Clear 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.
- When light charged, it creates a hydrophilic surface that causes water to sheet away.
- Reduces cleaning maintenance costs by up to 50%, water, energy, chemicals, and labor expended in cleaning.
- Treated surfaces need to be cleaned half as often, and are twice as easy to clean.

LIGHT REQUIREMENTS:

- PURETi Clear 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 Clear must be thoroughly clean.
- Clean glass surfaces with a professional grade ammonia based cleaner.
- If surfaces are stained, please consult your PURETi specialist for recommended product alternatives.

APPLICATION:

- Temperature should be above 50°F and 30% relative humidity.
- Stir the material thoroughly before each use.
- Surface must be completely dry.
- Apply one (1) light coat in a cross-hatch manner using a electrostatic spray gun from a distance of 2-3 ft. We recommend spraying a ¼" overlap. Application pressure should be maintained between 30-40 psi.
- PURETi Clear dries to the touch within minutes depending on environmental conditions. Do not apply PURETi Clear if rain is expected within 48 hours from the time of intended application.
- Do not clean treated surface with PURETi Clear for 12-14 days after application.
- Clean up equipment with warm water and rinse thoroughly.



COVERAGE:

PURETi Clear covers approximately 5,000 square feet per gallon on glass surfaces.

PACKAGING:

PURETi Clear is available in 1 and 5 gal containers.

PRODUCT DESCRIPTION:

Color and Odor:	Translucent pale yellow with bland smell
VOC:	0.40 lbs/gal (48.15 g/l)
Density:	8.33 lbs/gal
Weight Solids:	0.422 +/-0.025%
Volume Solids:	<0.50%
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: 50°F - 80°F (10°C - 27°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.