

CLEAN AIR TECHNOLOGY



AIR PURE PAINTS
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Revolutionary Air Purifying Technology

Indoor air quality is up to five times more polluted than the air outdoors. This is because modern fixtures and furnishings exude contaminants, which remain trapped in air-tight buildings.

The result. Places like children's nurseries, hospitals and research laboratories present a greater health risk than the world outside.

ASTHMA, ALLERGIES, RESPIRATORY ILLNESS, HEADACHES, NAUSEA, CANCER AND COGNITIVE DEVELOPMENT ISSUES ARE ALL CAUSED BY CONTAMINANTS FOUND IN EVERYDAY INDOOR ENVIRONMENTS.

Air Purifying Paints offers a unique solution to reducing this risk.

NO CONTAMINANTS INTRODUCED.
EXISTING CONTAMINANTS REMOVED.

Air Pure technology combines a safe paint (no VOCs, no toxic chemicals, no solvents, no odors) with an adsorption capacity that removes contaminants such as formaldehyde, acetone, glycol and benzene from the air.

The result. A healthier environment for you, your work and your home.

How it Works. Purifying Your Space.

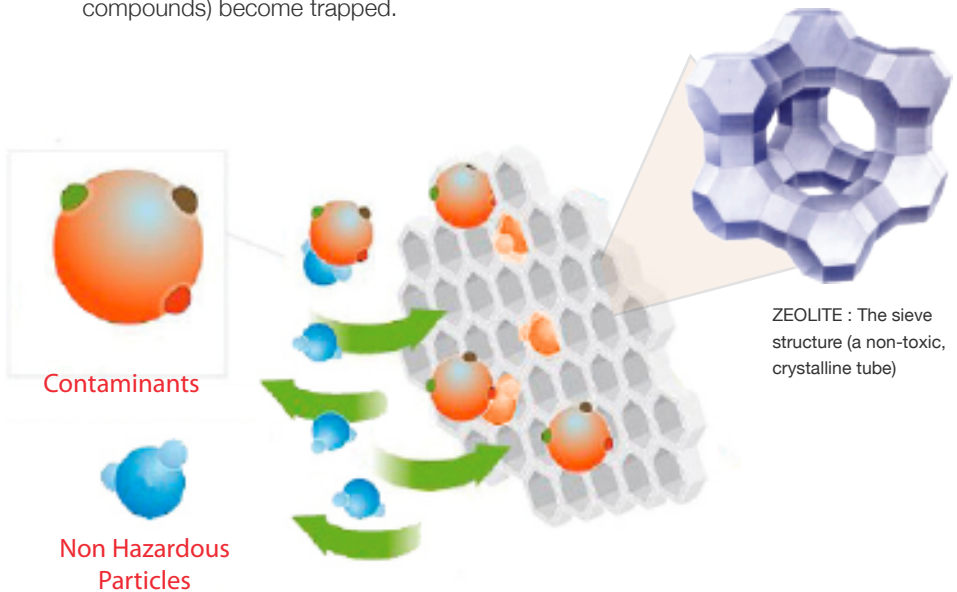
AIR PURE PAINTS contains a molecular sieve, designed to adsorb a targeted range of volatile organic compounds (VOCs) from the atmosphere.

HOW?

The sieve structure (a non-toxic, crystalline tube) is sized to allow small molecules such as nitrogen, or oxygen to pass unimpeded, while larger molecules (organic compounds) become trapped.

As a result, APP continually filters the air around it. Over time, the APP may become saturated, which can be remedied simply by applying a fresh coat of APP paint.

AIR PURE PAINTS offers a solution for removing harmful, organic chemicals from your environment.



THE APP MOLECULAR SIEVE IS SPECIFICALLY DESIGNED TO FILTER HARMFUL CHEMICALS FOUND IN INDOOR AIR

Cleaning Cycles.

Continual Build Up of Airborne Contamination

Laboratory cleanliness is maintained by using harsh chemicals to disinfect surfaces. The consequence is the continual introduction of new contaminants.

Equipment, fixtures and furniture add more contaminants to the indoor air.

This build up of contaminants in the environment inhibits research and causes illness.

Air Pure Paints is the Solution

Zero Contaminants Added

Continual Purge of New VOCs



AIR PURE PAINTS - TECHNOLOG

APP Test Results.

EPA METHOD 24

No VOCs

VOLATILE ORGANIC COMPOUNDS

SAMPLE DESCRIPTION	TECHNIQUE	VOC (g/L)
PAINT SAMPLE 1	EPA 24	-56.03
PAINT SAMPLE 2	EPA 24 MODIFIED a	-3.60
PAINT SAMPLE 3	EPA 24 MODIFIED b	-24.19
PAINT SAMPLE 4	EPA 24 MODIFIED c	-142.70

a 150° C, ~48 HRS, 5 ml H2O added, 0.3-gram sample
b ; 150° C, ~30HRS, 5 ml H2O added, 0.2-gram sample;
c 150° C, ~30 HRS, 5 ml H2O added, 0.1-gram sample

FILTERING RESULTS - VOCs REMOVED

Air Pure Paints were evaluated for their effectiveness at removing volatile organic compounds (VOCs) from a closed system.

SELECTED RESULTS

COMPOUND	CAS #	% REDUCTION
formaldehyde	50-00-0	52%
acetone	67-64-1	49%
ethyl acetate	141-78-6	96%
p-xylene	106-42-3	85%
2-propanol	67-63-0	58%
2-butanone	78-93-3	95%
benzene	71-43-2	42%
propylene glycol	57-55-6	77%
m-xylene	108-38-3	81%
o-xylene	95-47-6	84%
diethylene glycol*	111-46-6	100%
dipropylene glycol*	25265-71-8	100%

*at elevated temperature.

GY FOR INDOOR AIR QUALITY.

Places.



HOSPITALS

The sick are more at risk from harm caused by toxic pollutants. Air Pure Paints filter these VOCs out of the environment, making it safer for patients and healthier for all.



LABORATORIES

Contaminants can destroy research and invalidate results. Traditional paints off gas VOCs and introduce toxins into environments which need to be free from harmful chemicals. Air Pure Paints have no off gasses and filter existing VOCs from the environment.



HOME

Your home is your sanctuary. For over twenty years, Air Pure Paints have been helping chemically sensitive people, and those suffering from asthma and allergies, to live comfortably in their own homes.

**INDOOR AIR QUALITY IS 2 TO 5 TIMES MORE
CONTAMINATED THAN OUTDOOR AIR.**

Product Range.



Air Purifying Paint

The science behind our engineered paints is a specially designed molecular sieve that adsorbs harmful contaminating VOCs from the atmosphere, while allowing smaller particles such as nitrogen and oxygen to pass unimpeded.



AFR – Anti-Formaldehyde Paint

Formaldehyde is used in laboratories and hospitals as a disinfectant and preservative, it also off gases from carpets, furniture, and fixtures. AFR Paint uses a non-toxic and environmentally friendly molecular sieve technology to adsorb and reduce indoor air levels of this carcinogenic pollutant.



Anti-EMR Radiation Shielding Paint

Electromagnetic radio waves are emitted throughout hospitals and laboratories by numerous machines such as X-rays, gamma rays, and MRIs. Anti-EMR Paint reduces the impact of these devices, particularly for individuals who are exposed to them on a daily basis.



MDF Passivating Primer

Medium Density Fiberboard emits formaldehyde and other VOCs that pose serious health threats. Coating fiberboard with MDF Passivating Primer helps seal in these harmful chemicals before they can be released into the atmosphere.

AIR PURE PAINTS ARE AVAILABLE IN A WIDE RANGE OF COLORS

About Us.

Located in Spartanburg, South Carolina Air Pure Paints is a research focused company with a twenty-year legacy of product development and refinement, resulting in a product range that exceeds all industry standards with respect to VOCs, chemical composition, and ease of use.

From the outset we refused to accept that product performance dictated the need to use harmful and cause environmental damage.

Our production process is unique, incorporating engineered polymers, speciality resins, and a multi-stage mixing operations to deliver products that have been acclaimed by various testing authorities, independent research labs and consumers for over two decades.

Air Pure Paints Ingredients

- Water, natural plus manufactured binders (all water based, all non-toxic)
- Pigments (yellow ochre, red ochre, various - all non toxic)
- Mineral fillers - limestone, clays (non-toxic)
- Thickeners & builders - wood cellulose & resinous (all non-toxic)
- Levelers (all non-toxic)
- Waxes & textures powders (all non-toxic)

Not in Air Pure Paints

- Solvents, white spirit, turpentine, terpene, ethereal oils, VOCs
- Glycols, coalescents, animal products
- Heavy metals - lead, cadmium, mercury
- Formaldehyde and formaldehyde donors
- Acrolein, vinyl chloride
- Phthalates, APEO, Acrylic Softeners

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