



Environmental Innovation

www.gradys-airlite.com

MULTI-TECHNOLOGICAL COATING

Airlite is an innovating multi-technological coating¹ unique in its field, that works by means of photo-catalysis².

CHARACTERISTICS

- For interior or exterior use.
- Photo-catalytic: is activated by the effect of natural or artificial light (artificial light that emanates UV rays).
- Anti-polluting: reduces the pollutants in the air, up to 88.8%
- Anti-fungal: eliminates 99.9% of molds on surfaces.
- Self-cleaning: prevents dust and contamination from adhering to the treated surfaces.
- It allows the walls to transpire.
- Reduces between 15 and 50% the consumption of electricity in air conditioners and lighting.
- LEED Certifications (Leadership in Energy & Environmental Design), approved by the Green Building Council.
- Does not contain VOCs³, formaldehyde (volatile and flammable chemical compound) or heavy metals.

¹coating: a thin layer or covering of something.

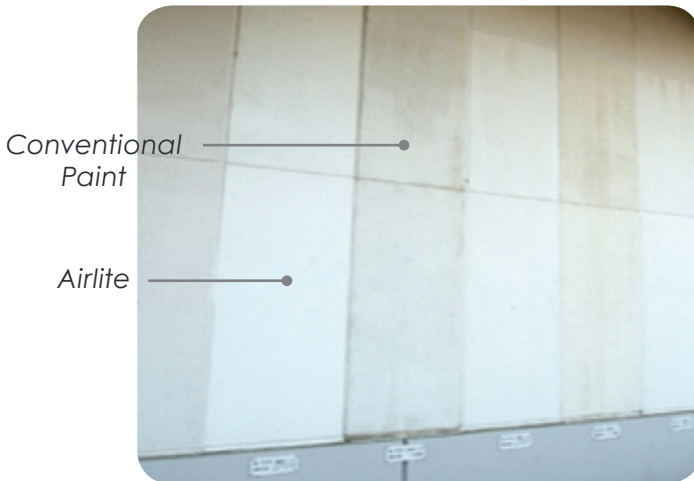
²foto-catálisis: the acceleration of a chemical reaction by light.

³VOCs: Volatile organic compounds are air pollutants..

BENEFITS

SELF-CLEANER:

Airlite Purelite Interior or Sunlight Exterior has a great power of self-cleaning, that is to say particles of contamination and dirt do not adhere to the treated surface.

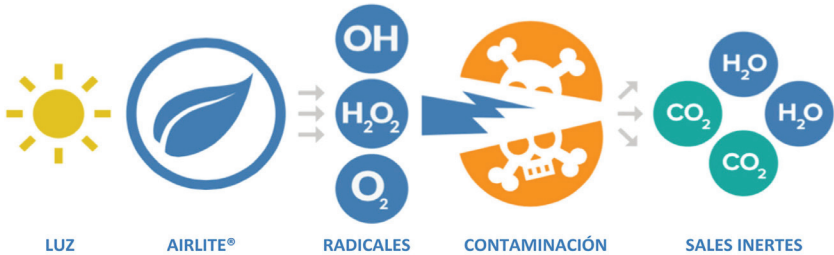


Difference between Airlite and a conventional paint after 9 months of testing

PHOTO-CATALYTICS:

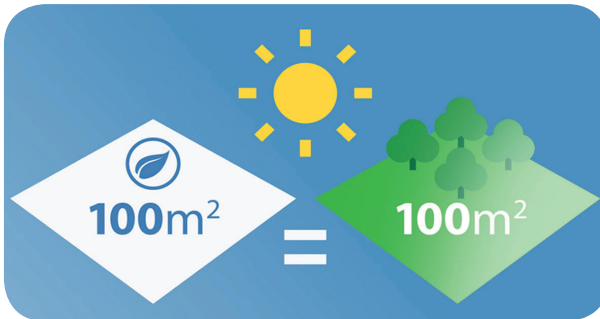
A wall treated with Airlite, with photo-catalysis (activates with light from the environment or artificially), transforms pollutants into inert salts⁴ that are no longer harmful to health, freeing oxygen from the air.

⁴inert salts: crystal that does not cause chemical reaction.



ANTI-CONTAMINANT:

The combination of Airlite with light creates free radicals⁵ and active oxygen that decompose the contaminants, converting them into inert salts, thus purifying the air.



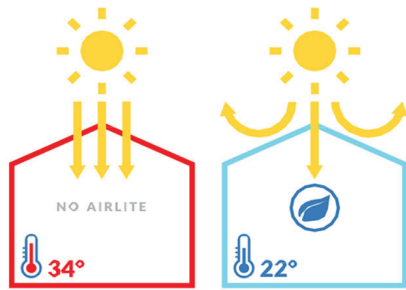
100 m² of Airlite eliminates the pollution produced by 18 cars, the equivalent effect to 100 m² of forest.

⁵free radicals: reactive chemical that releases oxygen from pollutants.

THERMAL INSULATION:

Solar reflection up to 90% preventing the passage of excessive heat. When the solar radiation hits a surface, a part of the heat is absorbed by the wall and transmitted to the interior, and another part is reflected and expelled to the outside.

Airlite presents a strong power of reflection: up to 90% of UV rays.



The reflection capacity significantly reduces the energy consumption of refrigeration systems, with savings of between 15 and 50%



Test in Dubai: 71°C vs 45°C

OUR PRODUCTS

We have three presentations:



Purelight Interior

Sunlight Exterior

Ioniqa H

- Airlite Purelight: Coating (powder) for interiors.
- Airlite Sunlight: Outdoor coating (powder) capable of resisting environmental factors.
- Airlite Ioniqa H: This coating is different to Airlite Purelight Interior and Airlite Sunlight Exterior in that it resists up to 15,000 washing cycles and comes in liquid presentation.

Read our Technical Sheets for more information on preparation of the different products and its application. You can download these from www.gradys-airlite.com.

APPLICATIONS

- HEALTH SECTOR



In hospitals and clinics: Airlite Ioniqa H generates a clean environment being that the surfaces are washable, thus obtaining an ideal area for the health and well-being of any patient and medical supplement.

- HOTEL AND FOOD INDUSTRY

In spaces where food is prepared or kept, Airlite is ideal to keep the air free of spores⁶.

It avoids the decomposition of food, allowing the use of perishable products for a longer period of time (this time varies according to present time conditions of perishables).

⁶spores: a reproductive cell produced by plants (fungi, mosses, ferns).



In hotels and restaurants: Airlite Purelite Interior keeps the rooms free of dirt, contaminants and odors. The most obvious advantage is the savings in product maintenance. Airlite Purelite Interior is self-cleaning and has a warranty of 5 years after its application. The colors remain firm and its durability is much longer than any regular commercial paints, which are also to some degree toxic products.

- EDUCATIONAL AND RECREATIONAL

In schools or spaces dedicated to a service of groups of people, it is used to purify the air, eliminating bad smells and eliminating the formation of mold on the walls.



- PUBLIC SECTOR

In public areas, Airlite Purelight Interior is ideal for purifying the air and eliminating odors. For high traffic places where it is required to wash surfaces and save on maintenance costs, the Airlite Ioniqa H coating is recommended.



CERTIFICATIONS



NMX-C-516.ONNCE



UL-ICQ, founded in 1994, is one of the most important quality certification companies in the international market, and offers inspection and quality control services. Accreditation Number: 1038

Airlite is certified as Zero-VOC.

VOC stands for Volatile Organic Compound (compounds harmful to health).

Most of the solvents used in conventional paints are volatile organic compounds. VOCs are released by the burning of fuels, such as gasoline, wood, coal or natural gas. They are also released by solvents, paints and other products used and stored at home and at the workplace. Loads of organic volatile compounds are dangerous pollutants of air.

Airlite is the best certified ecological option and in architectural projects it awards LEED points (the LEED score is on a scale of 100 points and the credits are sized to reflect their potential environmental impacts.) A project must satisfy all the prerequisites and obtain a minimum required amount of points to be certified).



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VARIED COLOR RANGE.



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