

The Next Generation of Paint

Air Purifying - Anti-microbial - Environmentally Friendly



The greatest threat is the air we breathe

Air pollution remains the greatest threat to humanity; causing >7 million deaths a year WHO.

- ***Indoor air is typically 5-10 times worse than outdoors;*** we bring outdoor air in and add pollutants. EPA
- Cleaning products are now used more often, further polluting indoor air. EPA
- By addressing indoor air pollution, we can help protect our health during and post COVID-19.

C40 Cities – the network of the world's megacities



How does the greatest air purifier on earth work..?

The earth has been cleaning pollutants from the air for billions of years.

- Up in the atmosphere sunlight and humidity react to create air purifying ions.
- These negatively charged ions attack and neutralise pollutants, bacteria and odours.

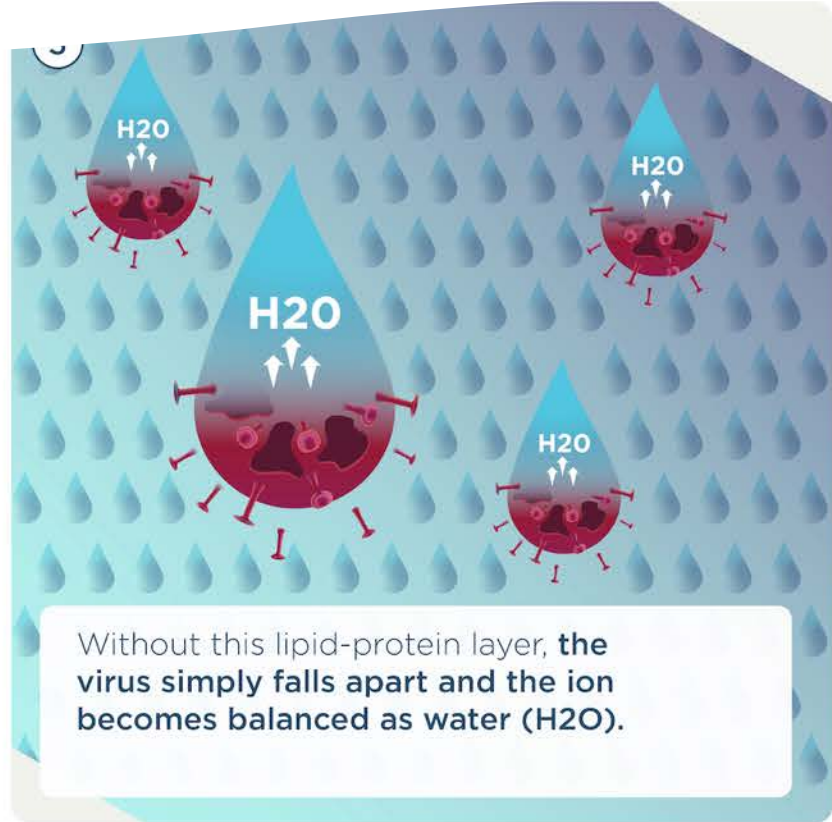
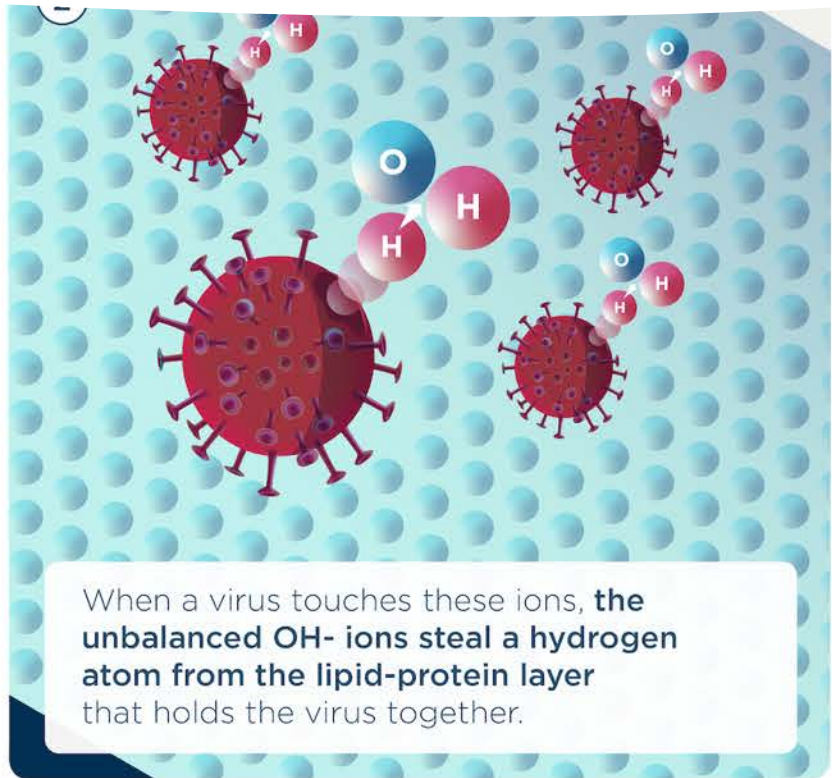
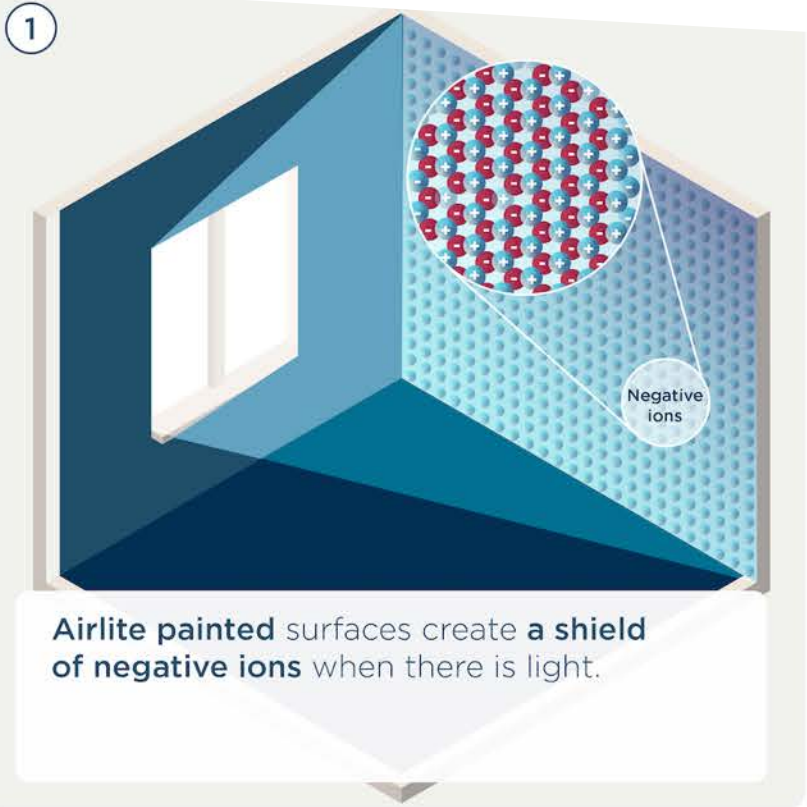
We copied nature, concentrated it and put in the most environmentally friendly paint.

Airlite uses light energy and air humidity to produce negatively charged ions – the same ions produced in earth’s atmosphere.

These ions attack and neutralise toxic pollutants, viruses, bacteria and odours, turning them into harmless by-products and purifying the air.

Airlite does not contain antibiotics or biocides and the anti-microbial properties do not ‘run out’ or reduce over time.

How Airlite Works



Airlite. So much more than paint...

		Airlite	Eco-Paint	Green / Living Walls	Cleaning Disinfectant	HVAC / Air Purifiers
Environment Benefit	<i>Low CO₂ footprint</i>	✓	?	✓		
	<i>Low VOCs / no smell</i>	No VOCs ⁽³⁾	Low	No VOCs	Med-High	Low
	<i>Cradle to Cradle Certified</i>	Gold	?			
	<i>BREEAM, LEED, WELL pts</i>	✓	?	✓		?
Health Benefit	<i>Reduces air pollution (NO_x)</i>	✓		✓	Increases	✓
	<i>Antiviral & antibacterial</i>	✓			✓	?
	<i>Prohibits mould & spores</i>	✓			✓	
	<i>Neutralises smells</i>	✓				?
Costs	Cost to buy and install / apply	£5 - £10/sqm	£5 - £10/sqm	£500+ /sqm	<£1/sqm**	£10,000 ++
	Maintain & operate costs			✓	✓	✓
	Time & complexity of install	Low	Low	Med	Low	High

****Not including labour cost of application (hourly/daily)**



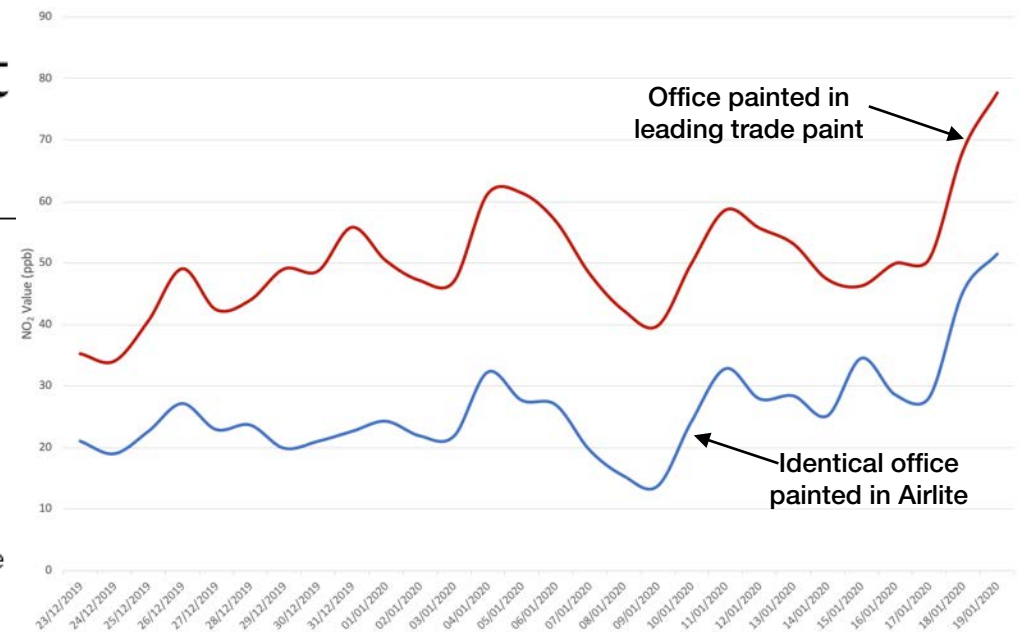


Revolutionary Anti-Viral & Air Purifying Paint Adopted by Grosvenor

Anti-viral paint that actively breaks down pollutants will clean the air in homes, shops and offices in central London

Grosvenor Britain & Ireland is the first UK landlord to adopt a ground-breaking environmentally friendly paint to drive sustainability, air quality and wellbeing across its portfolio.

Tor Burrows, Director of Sustainability & Innovation, Grosvenor Britain & Ireland commented: “Adopting this ground-breaking product will help us to drive the environmental performance of our buildings and air quality for those who live and work in Mayfair and Belgravia. Its ability to also kill bacteria and strains of influenza is a game-changing advancement for the wellbeing of all those in our places.”





Construction giant Bouygues inks three-year contract to use paint which it says tackles air pollution

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Anmar Frangoul

Speaking of the partnership, Chair of Bouygues Construction United Kingdom Fabienne Viala said: “Airlite is a ground-breaking product which offers real innovation to significantly improve sustainable environmental performance and air quality, key priorities for the Group and for the industries we operate in.

Airlite was trialled on an existing project where over 86,000 readings were taken over a period of one month. The results were compelling:

96.4%
REDUCTION IN TOXIC NITROGEN DIOXIDE

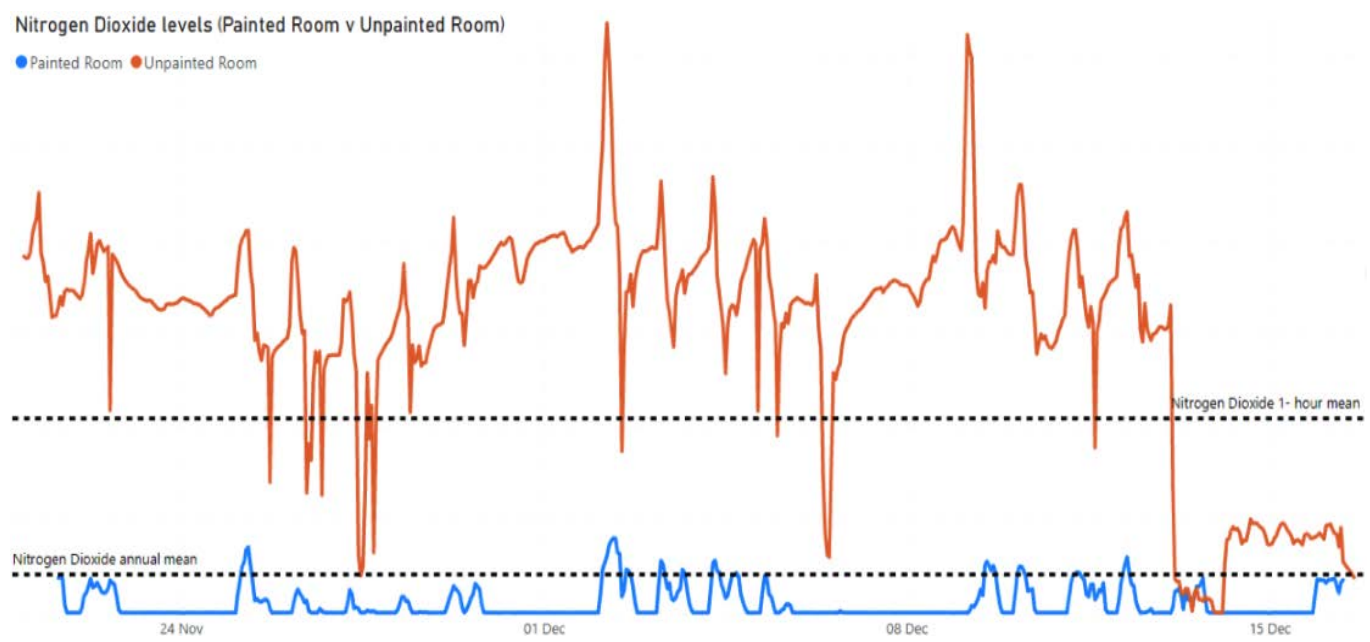
99.9%
OF BACTERIA ON SURFACES ELIMINATED

62.7%
LOWER CO2 FOOTPRINT THAN REGULAR PAINT

100%
REDUCTION IN HAZARDOUS WASTE

>98.8%
REDUCTION IN VOCs

EPD data	Leading Trade Paint	Airlite	Impact
VOCs	8g/l	<0.1g/l*	-98.8%
Total for one classroom	170g	<2.6g	-167g
Hazardous Waste	0.17kg/m²	0.00kg/m²	-100%
Total for one classroom	54.5kg	0.0kg	-54.5kg
Global Warming Potential	0.31kg CO₂-eq/m²	0.11kg CO₂-eq/m²	-62.7%
Total for one classroom	99.2kg	35.2kg	-64.0kg



*Traces of VOCs register from the manufacturing processes, with 0.1g/l being the lowest limit of the analyser.

Over 2 million sqm painted so far, including



'*IKEA Loves Earth*' partnership to address air pollution.



Kensington Palace

Hospitality areas painted to support health and wellbeing.



Embraced as an eco-friendly solution to improve indoor air quality.



Manufacturing facilities painted supporting employee wellbeing.



Mercedes-Benz

Partnership providing Airlite to e-vehicle customers.



Preferred paint for the estate supporting employee wellbeing.



100m² painted with Airlite is as effective as 100m² of mature trees

Airlite is a drop-in solution to improving office health and wellbeing

Airlite is a direct substitute to regular paints. A simple solution to providing:

- Cleaner, healthier air.
- Permanently anti-microbial surfaces.
- The most environmentally friendly healthy office space.

Airlite is available in 180 colours, is fire rated (Class 0)⁽⁵⁾ and can be applied by anyone.

Airlite goes beyond reducing environmental impact, to being part of the solution.

Contact

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Q&A – the most common questions...

How many colours? Airlite is available in 180 colours.

What is the finish? Airlite is a flat matte finish (similar to Farrow & Ball).

Do you use an undercoat? Yes. Airlite has an undercoat to ensure density of colour. The single-layer topcoat provides the product benefits.

How is the product supplied? Airlite undercoat and topcoat are supplied in 10 litre tubs, delivered direct to any UK address.

What is the lead-time? Airlite can usually be delivered within 48 hours.

What surfaces can Airlite be used on? Airlite can be applied to most surfaces – so long as they are prepared (cleaned and primed).

Is it washable? Due to the powdered nature of the product, Airlite is not a washable product. Marks can be carefully wiped off – just like Farrow & Ball.

How long does it last? Due to its cementitious base, Airlite lasts longer than normal paint and naturally repels dust and dirt..

Does Airlite “get full” of pollution or stop working? The air purification benefit lasts for as long as there is paint on the walls – our prototype product was first installed in a commercial application in the Umberto Tunnel in Rome in 2007 and is still working well in 2020 - <https://vimeo.com/248132319>

Does it smell like other paint? No. As Airlite is VOC free, it is odourless and can be applied whilst rooms are occupied and without venting the room.

Can you put Airlite on top of other paint? Yes, if the paint is clean and grease free.

Can the paint be covered? Airlite can be painted over as with a normal paint, however the active benefits will be lost.

What conditions are needed to “make it work”? The air purification benefits require light energy, other benefits are applicable in all conditions.

How much does it cost? Airlite is priced as a regular quality or eco-paint and is significantly less expensive than other air purification technologies.

Can I get it for my home? We’re launching our B2C offering in the UK through 2020, however if you simply cannot wait then please get in touch...

References and independent certification

References

(1) Airlite eliminates 99.99% of bacteria from surfaces. Tests performed by University of Rome La Sapienza (IT), EMSL Analytica Inc, Houston (US) and SGS Limited (TH).

(2) Airlite's technology is effective against the influenza virus. Photochemical & Photobiological Sciences, 2012, 11, 1293

(3) Airlite is VOC free. Certified A+ by Eurofins Product Testing A/S - Galten, Denmark.

(4) Airlite reduces NOx air pollution up to 88.8% after 60 minutes. Tests performed by University of Rome La Sapienza (IT) and Queen's University Belfast.

(5) Airlite is fire rated to UNI EN (Class Euro A2 - s1, d0) and BS (Class 0) standards. Tests performed by Istituto Giordano (IT) and Exova Warrington Fire (UK).

EPDs (Environmental Product Declarations):

- Airlite has a 50-80% lower CO₂ footprint when compared to Dulux Trade Paints. All data publicly available in the environmental product declarations (EPDs).
- Airlite produces no hazardous waste.

Independent Certification

- Green Seal certified.
- Cradle to Cradle Gold certified against (1) Material Health (2) Material Reutilisation (3) Renewable Energy and Carbon Management (4) Water Stewardship (5) Social Fairness.
- Airlite eliminates 99.99% of moulds and spores from surfaces. Tests performed by Micro Star Lab, Illinois (US).
- Airlite has also undergone independent testing against (1) Vapour Permeability: Breathable (2) Alkali Resistance: No alteration (3) Humidity Resistance: No damage (4) Salt Spray Test: No blistering, no flaking (5) Ageing: Maximum colour solidity and no chalking.

All test reports available on request.