



MADE IN JAPAN

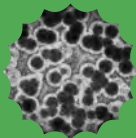
Mo Cigarette Smells Germs Musty  
Odors Pollen Sulfur Oxide Nitrogen  
Oxide Body Odor Toilet Smells Volatile  
Organic Compound Viruses Pet Odors  
Kitchen Waste E. coli (O-157) Legionella  
Pneumophila Avian Influenza Virus  
Staphylococcus Aureus (MRSA) Candida  
Infections PM2.5 Formaldehyde Toluene

Protect against those airbourne risks with a coating.



C O A T

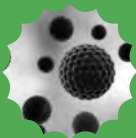
Experimental Data from Public Institutions



Influenza Virus

After 24 hours

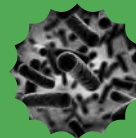
Not detected <sup>(2)</sup>



Formaldehyde Toluene

After 24 hours

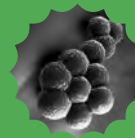
Not detected <sup>(1)</sup>



E. coli (O-157)  
Count: 500 million

After 24 hours

Count: 60 <sup>(1)</sup>



Staphylococcus Aureus (MRSA)  
Count: 5 billion

After 24 hours

Not detected <sup>(1)</sup>

<sup>(1)</sup> Research Institute: Technology Research Institute of Osaka Prefecture <sup>(2)</sup> Research Institute: Japan Food Research Laboratories <sup>(\*)</sup> ecolala has received certification from SGS Hong Kong

Photos are for illustrative purposes only.

# Artificial Light Catalyst Ecolala COAT - Features

## POINT 1

Patented Technology

# 1

### From Photocatalysis to Artificial Light Catalysis - A New Technology

Artificial Light Catalysis is a patented technology which reacts with artificial light - fluorescent light, LED, etc., to removes toxins from the environment.

This technology enables the removal of bacteria, odors, and other contaminants with the same effectiveness as a photocatalyst, but can be applied indoors, in environments out of reach of natural sunlight.

#### Comparison of Technologies and Effectiveness

Photocatalysts: No visible light reaction – not effective indoors.



Visible Light Responsive Catalysts:  
Effectiveness limited by the range of the product.

Artificial Light Catalysts (ecolala):  
Effectiveness even in indoor environments out of reach of sunlight.

Range of visible light responsive catalysts

## POINT 2

Patented Technology

# 2

### Long Term Effectiveness - Maintain a happy and healthy environment.

In an interior coated with ecolala, whenever the light is switched off toxins are absorbed by the apatite.

Switching on the light causes a photocatalytic reaction with titanium oxide which results in the toxins being broken down into water and carbon dioxide through a process of oxidative decomposition, and removed.

#### Artificial Light Catalysis Cycle



Lights off: Toxins are absorbed by the apatite.



Lights on: Toxins are broken down and removed.

\* Coating film is expected to last between 5 and 10 years.

## POINT 3

# 3

### No need for the installation of special equipment or on-going maintenance.

Because it is applied as a simple coating, installation of special equipment is not required. An order of magnitude more effective than a typical air cleaner, and completely maintenance-free.

## POINT 4

# 4

### Quick and Cost Effective

With our original Misty Jet vaporizer, application time and cost is reduced.

## POINT 5

# 5

### Safe for people, safe for the environment.

As the main components (titanium oxide and apatite) are recognized as food additives, the product is safe for use in a home around children and pets.

Protect against contamination, and reduce cleaning costs with ecolala COAT

<http://ecolala.sbmplus.co.jp/>

#### Next Steps:

- (1) On Site Inspection: Measurement of all 6 surfaces (4 walls, floor, ceiling).
- (2) Quote: Based on measurements taken during the inspection.
- (3) Preparation: Clean-up and preparation of the environment for coating.
- (4) Coating: 30-60 minutes of automated coating with our vaporizer.
- (5) Finishing: Once the coating has dried (approx. 1 hour), a quick wipe and we're done.

Manufacturer **GLOBAL**  
Global Ecology

#### Agent



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