



Perfecting the Air

# Indoor Air Quality Solution

## Antimicrobial Treatment

Coated in  
Daikin  
Singapore!

### Improve Indoor Air Quality (IAQ) with Antimicrobial applied on indoor unit cooling coil

- Antimicrobial contains 3 main additives (Titanium Dioxide, Silver Ions and Quaternary Ammonium) to maximise the Antimicrobial and self-cleaning properties on the cooling coil surface coated with it.
- Hydrophobic properties of the coating prevent dirt and grime accumulation on the cooling coil. This reduces the chances of fouling on the cooling coil in the long term, hence enhancing the maintainability of the cooling coil and prolongs its lifespan.

### Features & Benefits



**Features:**

- Anti-Fungal / Anti-Bacteria
- Ozone Free
- Superior Corrosion Protection
- Superior Hydrophobic
- Water Based
- Non-Flammable



**Benefits:**

- Improve Indoor Air Quality
- Increase Lifespan
- Improve Efficiency
- Reduce Electricity Usage
- Easy Maintenance

### Material Specification

Description	Type of Treatment
Coating	Antimicrobial Treatment
Applicable Product Range (Air Side)	Single & Multi Split Unit Skyair Variable Refrigerant Volume Unit (VRV) Package Unit Air Handling Unit
Applicable Coating Component	Indoor Evaporator Coil
Coating Thickness	<10µm
Colour	Light Grey

### ASTM Certified Test

Standard	Description	Conditions	Result	Remark
G21	Anti-Fungi Test	28 days	Pass	-
G22	Anti-Bacteria Test	28 days	Pass	-
G85-A5	Acidified Salt Spray Test	1000/3000 hours	Good	-
G87	Moist SO <sub>2</sub> Test	50 Cycles	Pass	-
B117	Salt Spray Test	10,000 hours	Pass	-
D4798	UV Exposure Test	1000 hours Weathering, Xenon Arc Test Method	9.8	Rating scale 0-10 (10 = highest)
D5894	UV/Corrosion Exposure Test	1000 hours Cyclic Corrosion/UV Exposure of Painted Metal	10	Rating scale 0-10 (10 = highest)
D2794	Impact Resistance Test	Effect of rapid deformation	Good	-
D522	Flexibility Test	Method B: flexibility and adhesion	Excellent	No Cracking Detected; 100% Adhesion.

Note: Contact us now for more information on our Antimicrobial Treatment.

### Application



- R&D Facilities**
- Laboratories
  - Clean Rooms



- Leisure Facilities**
- Sport Halls
  - Gyms
  - Theatres



- Healthcare**
- Hospitals
  - Clinics
  - Nursing Home



- Commerical Buildings**
- Offices
  - Hotels



- Educational Facilities**
- Schools
  - Kindergartens

