

Anti-Corrosion Microbial Treatment

The aim is to protect the installed air-conditioning equipment, prevent the rapid formation of corrosion + improve IAQ + extend the lifespan of product.

HE aluminum fins coated with anti-corrosion microbial with treatment specially formulated **Light Grey DTM TiO2 + Silver Ions + Quaternary Ammonium coating** for equipment installed in areas subject to corrosive / salty and mild chemical area to prevent equipment from further corrosion for **outdoor environment** and to improve IAQ for **indoor environment**.

Coating Model

- Heavy Anti-Corrosion Microbial Treatment (HACMT) - *for ODU: Outdoor Unit*
- Basic Anti-Corrosion Microbial Treatment (BACMT) - *for IDU: Indoor Unit*



Features

- ☞ Superior Hydrophilic
- ☞ Water Based
- ☞ Ozone Free
- ☞ Anti-Fungal
- ☞ Anti-Bacteria
- ☞ Non-Flammable

Benefits

- ☞ Improve Indoor Air Quality
- ☞ Superior Corrosion Protection
- ☞ Increase Lifespan
- ☞ Easy Maintenance
- ☞ Maintain Efficiency
- ☞ Maintain Performance
- ☞ Maintain Energy

ASTM Testing & Certification

Salt Spray Test	ASTM B117: Pass 10,000 Hrs
Acidified Salt Spray Test	ASTM G85-A5: Pass 3,000Hrs
Anti-Fungal Resistance	ASTM G21: Pass
Anti - Bacteria Resistance	ASTM G22: Pass
UV Resistance Test	ASTM D4798: Pass 300Hrs Weathering Xenon Arc Test Method
UV Exposure Test	ASTM 5894: Pass 1,000 Hrs Cyclic Corrosion / UV Exposure
Impact-Resistance Test	ASTM D2794: Direct >1.8kg per cm ² Indirect 1kg per cm ²
Moist SO2 Test	ASTM G87: Pass 50 Cycles
Mandrel Bend Test	ASTM D522 Method B: Pass 100% Adhesion . No Crack
Pencil Hardness Test	ASTM D-3363: 2H
NEA	Hazardous Substance controlled by NEA is NOT PRESENT
FDA	Meet FDA 175.300 for Indirect Food Contact
NSF	Comply to NSF guideline NON-FOOD COMPOUND Registered
RoHS	Comply to RoHS Directive 2002/95/EC
REACH	Comply to EU Regulation (EC) No. 1907/2006
Military Standards	Met MIL-STD-810 Sand and Dust

Applicable Equipment's	<ODU / IDU> <input type="checkbox"/> VRV - Variable Refrigerant Volume Unit <input type="checkbox"/> RA - Residential Unit <input type="checkbox"/> SA - SkyAir Unit <input type="checkbox"/> PA - Packaged Unit <input type="checkbox"/> APP - Air Cooled Chiller / AHU Coil	
Applicable Environment's	Outdoor Environment - Corrosion Resistance <ODU> ↻ Coastal ↻ Oil & Gas Industries ↻ Water Treatment ↻ Food Industries ↻ Hotels & Resorts ↻ Mild Chemical Industries	Indoor Environment – Improve IAQ <IDU> ↻ School / Kindergarten ↻ Condominium / Landed Properties ↻ BTO / Service Apartment ↻ Sport Hall / Gyms / Theatres ↻ Hospital / Clinic / Nursing Home ↻ Laboratories / Clean Room / Offices

Material Specification of Anti-Corrosion Model

Item	Parts	Standard Model	HACMT <ODU> Model: Heavy Anti-Corrosion Microbial Treatment	BACMT <IDU> Model: Basic Anti-Corrosion Microbial Treatment
1	External Sheet Metal Casing	Hot Dip Zinc Coated Sheet + Powder Coating	1/ Hot Dip Zinc Coated Sheet + Powder Coating	Not Applicable
2	Heat Exchanger Assy ➤ Aluminum Fins ➤ Refrigeration Pipe ➤ End Plate	Copper Tube + Alu. Fins / Alu. Fins + Hydrophilic Anti-Corrosion / Copper Tube & End Plate without Coating	1/ Copper Tube + Standard Alu. Fins + 1/ Alu. Fins + Hydrophilic Anti-Corrosion + 1/ Copper Tube & End Plate without Coating + 2/ Anti-Corrosion Microbial Coating Treatment (≥10µ)	
3	Mounting Plate Assy ➤ Fan Motor / Stop Valve ➤ Partition Plate	Galvanize Sheet Metal without Powder Coating	1/ Galvanize Sheet Metal without Coating + 2/ Anti-Corrosion Microbial Coating Treatment (≥10µ)	Not Applicable
4	Bottom Frame Assy	Galvanize Sheet Metal without Powder Coating		Not Applicable
5	Electrical Box Assy	Galvanize Sheet Metal without Powder Coating	3/ Touch up Anti-Corrosion Paint on spot welding	Not Applicable
6	Self Tapping Screws External Fasteners	SWCH + Zinc Nickel Plating	4/ SUS410 + Zinc Nickel Plating	Not Applicable

Remarks:

- 1/ Based on standard model specification.
- 2/ Anti-corrosion coating treatment specification.
- 3/ Manually hand touch up work to all spot-welding points.
- 4/ Replace external self tapping screws to stainless steel screws SUS410.

Note:

- Reach us now for more information on our **ANTI-CORROSION MICROBIAL TREATMENT**.
- We also provide **PCB CONFORMAL COATING TREATMENT. (Option)**.

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