

HVAC Maintenance Corrosion Protection

AerisGuard™ Maintenance is an environmentally friendly coating offering corrosion protection for outdoor heat exchange coils.

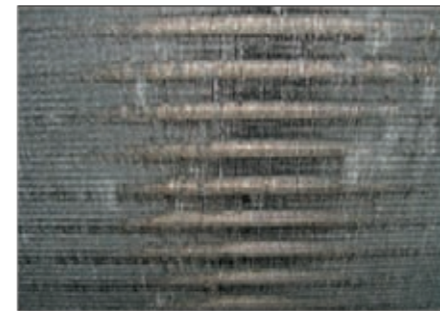
Environmental Corrosion

Corrosion caused by the environmental elements is a major problem associated with all types of Air Conditioning Heat exchange Coils.

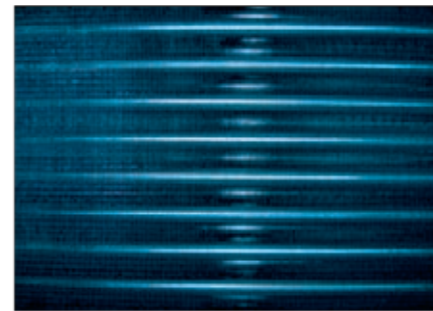
Environmental corrosion attacks in numerous forms (e.g. Galvanic, Acidic, Salt) deteriorating the surface of coil components.

As a result, coil corrosion can vary in its effect and may eventually result in:

- Capital expenditure on equipment
- Long term problems associated with operating efficiency



Corroded



Non-corroded

Corrosion Prevention

AerisGuard Maintenance is an innovative solution developed by Aeris Technologies that provides comprehensive corrosion protection through a unique coating applied to air cooled heat exchange condenser coils.

Through extensive long term field testing, AerisGuard Maintenance Corrosion Protection has proven to be easy to apply and delivers long term protection against environmental corrosion.

Efficiency Improvements

Corrosion damage significantly affects the operating efficiency of cooling systems.

By removing environmental contamination and applying AerisGuard Maintenance Corrosion Protection to your heat exchange coils you can control your corrosion issues and maintain cooling stability when you need it the most.



Condensing units Before and After AerisGuard Maintenance

Benefits

- Water Based - Easy to Apply
- Environmentally friendly
- Extends operating life of plant equipment
- Long term corrosion protection of heat exchange coils:
 - Restores airflow to damaged coil surfaces
 - Eliminates Galvanic Corrosion



Technical Specifications

Colour:	Transparent, light blue finish or colourless
Gloss Level:	Full
Film thickness:	10-12 microns d.f.t. (dry film thickness) per coat
Application rate:	700mL per 1m ² coil face area (Dependant on condition and fin spacing)
Chemical Resistance:	Excellent (with the exception of strong alkalis or oxidising chemicals)
Solvent Resistance:	Dependent upon selection of solvent
Thermal resistance:	Less than 1% depending on fin details
Pressure Drop:	Less than 1% depending on fin details
Temperature Range:	Up to 120°C
Fin pattern:	Suitable for standard and also for enhanced fin designs
Fin Type:	Aluminium, Copper
Coil Frames:	All ferrous and non ferrous coil substrates

Maintenance



AerisGuard Maintenance Corrosion Protection Test Data*

- ✓ ASTM G 85-A5 Prohesion 1000 Hrs Modified Salt Spray Test
- ✓ ASTM G 85 2000 Hrs Modified Salt Spray Test
- ✓ ASTM G 87 Moist SO2 Test
- ✓ ASTM D 522 Flexibility Test
- ✓ 48-Hour Steam Exposure Carrier Corp Test
- ✓ MIL-STD-810F Sand and Dust Test
- ✓ ASTM B117 Salt Spray Test 1000 Hours
- ✓ ASTM B117 Salt Spray Test 3000 Hours

WARRANTY

Aeris Technologies Ltd (Aeris Technologies) and (Aeris Accredited Applicator) provide the following limited warranty to original purchasers of AerisGuard Maintenance Corrosion Protection which has been applied to the surface of heat exchange condenser coil(s) of new, and up to 12 months after installation, air-conditioning unit by the Aeris Accredited Applicator and which have been paid for in full.



For a period of three years from the date on which AerisGuard Maintenance Corrosion Protection was first applied to the coil, provided the subject installation is formally contracted to the Aeris Accredited Applicator, subject to the AerisGuard 3 Year Corrosion Protection Plan

36
MONTH
WARRANTY
WITH CORROSION
PROTECTION PLAN

Applicator



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