



Maintenance Corrosion Protection

AerisGuard™ Maintenance is the first 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.

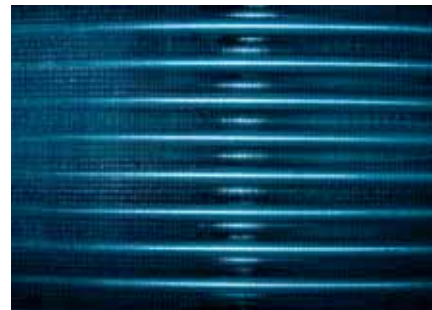
Environmental corrosion attacks in numerous forms (e.g. Galvanic, Acidic, Salt) deteriorating the surface of coil components.

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 AerisGuard providing comprehensive corrosion protection through a unique coating applied to heat exchanger condenser coils.

Through extensive long term field testing, AerisGuard Maintenance has proven to be applied safely and easily delivering long term protection against environmental corrosion.

Efficiency Improvements

Environmental pollution in conjunction with corrosion damage can significantly affect the operating efficiency of cooling systems.

By removing environmental contamination and applying AerisGuard Maintenance 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

Features

- Environmentally friendly
- Long term corrosion protection of heat exchange coils:
 - Restoring damaged coil surfaces
 - Sealing surfaces between tubing and fin stock
- Effective on ferrous and non-ferrous metals

Benefits

- Safe for the environment
- Extends operating life of plant equipment
- Defers capital expenditure on coil replacement
- Improves heat transfer
- Suitable for many applications in harsh environments.

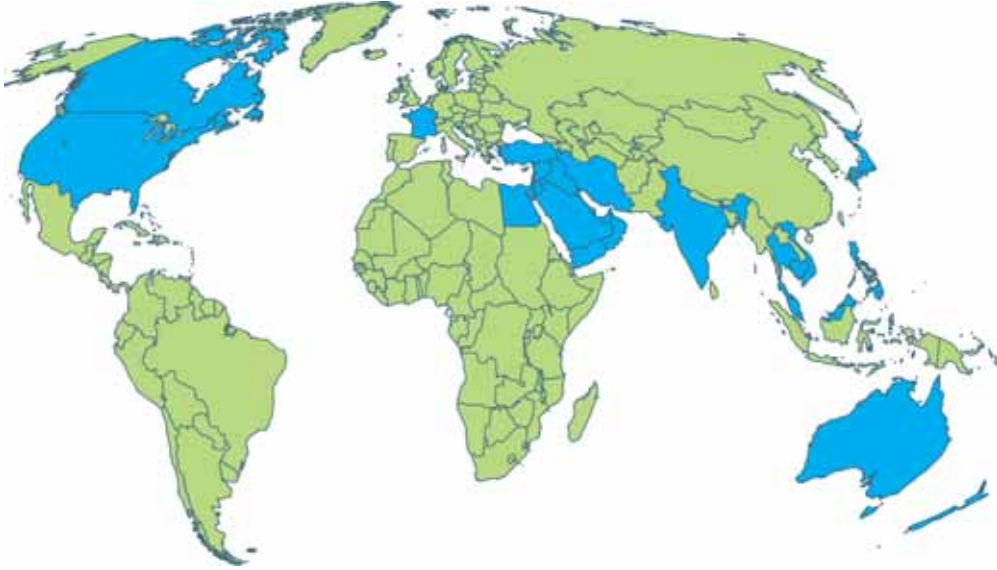
Technical Specifications

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:	Approx. 1.4 m² coil face area per litre; OR Approx. 700 ml per 1 m² coil face area
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:	Standard and also suitable for enhanced fin designs
Fin Type:	Aluminium, Copper
Coil Frames:	All ferrous and non ferrous coil substrates
Flexibility:	No loss of adhesion or cracking ASTM D522-88
Salt Spray:	3000 hrs ASTM B117 (AS 2331.32 – 1980) Source: Boeing, Australia

Maintenance



Creating healthy environments all over the world



Aeris Technologies Ltd – an Australian publicly listed company – is a global biological environment solution provider focusing on safety, efficiency and energy.



Provided By Airconstruct
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