



# PREMIUM CORROSION PROTECTION SERVICES



**Vertikote**, Australia's leading & most accredited coating applicator has over 60 years experience in powder coating & liquid paint systems.

The partnership with **Aeris Environmental** adoption of **AerisGuard™ Corrosion Protection Plus** product range presents the Australian market a corrosion solution reknown for prompt service, high quality finishes and superior corrosion resistance.

The technical capability ensures the coating system utilised is best suited to achieve superior performance. Vertikote's workmanship meets or exceeds the Australian standards & internaional specifications contained within Qualicoat (license N°2111) & the American A.A.M.A

Highly corrosive environments reduce the effective lifespan of built systems, in particular HVAC&R.

The industry leading **AerisGUARD™ Corrosion Protection Plus** coating together with regular maintenance programs using AerisGUARD™ cleaners and treatments is proven to significantly improve energy efficiency and reduce whole of life operating costs.

**AerisGUARD™ Corrosion Protection Plus** will help to maintain and improve the life expectancy of your plant & equipment. The versatility of these coatings allows the product to be used across any metallic surface including: frames, casings, heat exchangers & unit structures.

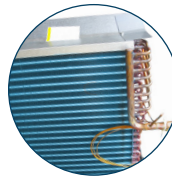
Available in both clear and blue finishes, Aeris corrosion products excel in all aspects of testing performed by the CSIRO.

## SUPERIOR CORROSION PROTECTION

Independent laboratory results demonstrate that the patented **AerisGuard™ Corrosion Protection Plus** achieves superior corrosion resistance.

- In-factory premium coating application for equipment & components
- **5 year warranty** with maintenance – servicing OEMs, HVAC&R manufacturers, wholesalers, speciality projects and specifying engineers
- In-field & on-site application

### HEAT EXCHANGERS



Evaporator Coils Condenser Coils

### REFRIGERATION EQUIPMENT



Surfaces Refrigeration

### HVAC&R EQUIPMENT



Evaporator Coils Condenser Coils Surfaces

LEADING COATINGS COMBINED WITH THE LEADING APPLICATOR TO PROVIDE YOU WITH THE BEST SOLUTION AVAILABLE

## ✓ TRUST THE LEADING COATINGS APPLICATOR



**UP TO 5 YEARS CORROSION RESISTANCE**



**AEROSOL AVAILABLE FOR REPAIRS AND MAINTENANCE OF COATING**



**SUPERIOR SALT SPRAY RESISTANCE TESTED TO 38,000+ HOURS – ASTM B117**

### IN-FACTORY LOCATIONS:

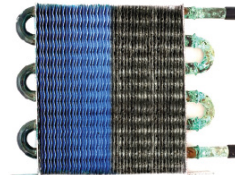
- **Vertikote Corp Ltd. NSW**  
85 Gov Macquarie Dr, Chipping Norton, NSW 2170
- **Vertikote Corp Ltd. VIC**  
4/16 Monterey Road, Dandenong, VIC 3175





# CORROSION PROTECTION TECHNOLOGY

AerisGuard™ Corrosion Protection Plus	
Colour	Blue or Clear
Average Coating Thickness	<20µ
UV Resistance	Excellent
Salt Spray Resistance ASTM B117	Exceeds 38,000+ hours
Heat Transfer Reduction	0%
Fin Coverage	100%
Repairable	Yes
Warranty	5 Years <sup>2</sup> (additional warranty up to 10 years)



- AerisGuard™ Corrosion Protection Plus. Tested to over 38,000+ hours\* salt spray testing
- Some 'blue fin' coil protection only meets 72 hours\* salt spray testing

\*Tested to ASTM B117

## PRE-COATED SYSTEMS IN STATE-OF-THE-ART VERTIKOTE FACILITIES

OR

## APPLICATION ON-SITE

### Salt Spray

- Tested for 38,000+ hours and on going
- No visual signs of corrosion present

### Life Expectancy

- Coating on aluminum substrate subjected to accelerated test of 500 hours (21 days) immersed in water at 50°C
- CSIRO validated as being a realistic accelerated shelf-life test
- No cracks, peeling or discontinuity evident

### Heat Resistance

- Coated panels tested in ovens at 200°C and 400°C
- **AerisGUARD™ Corrosion Protection Plus** product fully complied with the test parameters

### Hydrophilicity

- Eliminates condensation spitting from the coil during operation
- Reduces risk of mould contamination

### Abrasion

- Coated panels subjected to 1kg weight moved to and fro for 100 repetitions
- No visible changes to the coated surface apparent

### Flexibility

- Coated panels bent through 180° and then straightened
- No signs of coating losing adhesion from substrate
- Product deemed as flexible

### Oil Resistivity

- Coated panels immersed in aliphatic hydrocarbon oil for 24 hours at 20°C
- No wrinkling, cracking or other discontinuity

### Adhesion

- Corrosion Protection Plus exhibited good adhesion after coating onto an aluminium substrate
- No significant coating fragments on tape surface after peeling test



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