

# AUSTKOTE

## What is Austkote?

Austkote is a high performance modified epoxy (very flexible) finish, which has been specifically developed for surfaces, as well as other ferrous and non ferrous surfaces used in cross-fin coils for refrigeration and airconditioning.

In today's environment we are all too aware of the cost of replacing coils that have had their working life drastically reduced due to the effects of corrosion. With Austkote coil life is dramatically prolonged as demonstrated by the manufacturers (NATA approved laboratory) performance test results. Where other manufactures can only offer token protection, Austkote has been thoroughly tested to 9,000 hours with no indication of coating breakdown. With pricing significantly less than our competitors, its another good reason for using Austkote.

## Application

Austkote has been accepted for use on heat exchangers used in cool room ducting and indoor air conditioning and is ideally suited to protect coils used in industrial, commercial and coastal areas.

Austkote is available in 3 finishes depending on the level of corrosion protection required, ie

### Austkote 1 -

Application is a single coat of Austkote, recommended for coils exposed to "Poor" environmental condition ie; low-level deposits of salt and acid chemical.

### Austkote 2 -

Application is a double coat of Austkote, recommended for coils exposed to "Severe" environmental conditions ie; medium level deposits of salt and acid chemical.

### Austkote 3 -

Application is a triple coat protection system including passivating plus 2 coats of Austkote and is recommended for coils exposed to "Extreme" environmental conditions, ie; high level deposits of salt and acid.

*(It is essential that where coils are exposed to severe to extreme conditions that some form of maintenance procedure be adopted by the client regarding the periodic cleaning of the coil, ie; warm soapy water, mild detergent, followed by a low pressure fresh water rinse, every 3-4 months).*

## Product Performance

Austkote has been tested to Australian Standards by Austcoil's supplier's Nata approved laboratory with the following results:-

### Adhesion Test:

Aluminium test panels coated with Austkote when tested to AS/NZS1580.408.4:1994 cross cut/hatch, gave no indication of coating breakdown.

### Dry Film Test:

Aluminium panels coated with Austkote when tested to AS/NZS1580.108.1:1994 complied with standards covering film thickness levels.

### Hydrophilicity:

Coils coated with a Austkote reduces surface tension allowing water to run off easily as well as aiding in the reduction of lint build up due to the smooth surface, these factors result in reduced running costs and prolonging coil life.

### Salt Spray Resistance:

Aluminium panels coated with Austkote when exposed to standard 5% salt spray per ASTM B-117-85, for 9,000 hours gave no indication of coating breakdown.

### Acid Resistance Test:

Aluminium fin panels coated with Austkote were immersed in a 20% Phosphoric acid at 70°C for 1 hour, gave no indication of coating breakdown.

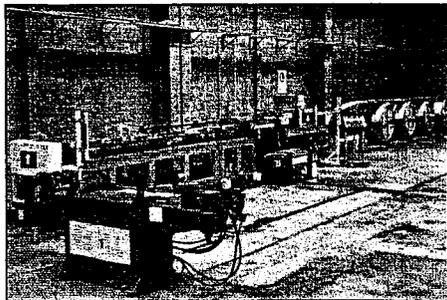
## Chemical and Solvent Resistance:

The following table lists the chemical and solvent resistance of Austkote.

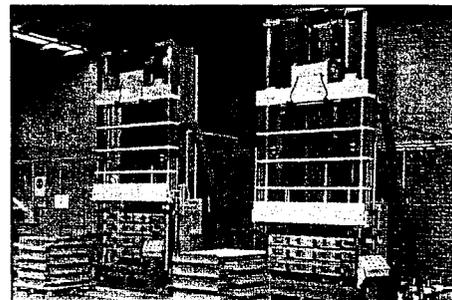
CHEMICAL	CONCENTRATION	RESISTANCE
Hydrochloric Acid	10%	E
Hydrochloric Acid	20%	E
Hydrochloric Acid	30%	E
Sulphuric Acid	25%	E
Sulphuric Acid	50%	E
Sulphuric Acid	98%	P
Nitric Acid	20%	E
Nitric Acid	35%	E
Acetic Acid	25%	E
Acetic Acid	50%	G
Acetic Acid	100%	P
Ammonia	30%	P
Sodium Hydroxide	10%	P
Acetone		P
Methylated Spirits		E
Mineral Turps		E
Toluene		P

Resistance Legend: E - Excellent, G - Good, F - Fair, P - Poor

As Austcoil Pty Ltd follows the policy of continuous improvement, this leaflet is issued for general guidance only and it is based on tests and information believed to be accurate at the time of printing. All recommendations and suggestions issued by or on the behalf of Austcoil Pty Ltd are subject to Austcoil's conditions of sale.



**REPLACEMENT  
COILS IN  
48 hrs**



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