

USA Coil & Air uses “FinKOTE”, an 8th generation E-Coat designed for extreme environments, with high edge build for improved life, high flexibility for bending and improved handling, and corrosion protection like no other coating can provide.

Only FinKOTE offers pretreatment technology options to ensure your coils have the proper protection for the intended application. By using an Advanced Zirconium Oxide Pretreatment, FinKOTE maximizes corrosion resistance to environmental conditions and reduces corrosion “creep-back”.

With the addition of advanced Top Coat options, FinKOTE can be modified to provide enhanced UV resistance, higher abrasion resistance, lower coefficient of friction or to become NSF compliant. Hydrophilic and hydrophobic properties can also be incorporated into the FinKOTE System.

### FinKOTE ADVANTAGE

- Round tube, plate fin coils up to 36 FPI
- Max Coil Dimensions: 342” L x 102” H x 33.6” D
- Zirconium Oxide Pretreatment
- UV Top-coat Options
- Formicary Corrosion Resistant
- 6900 Hours of SWAAT Test Resistance
- Low VOC’s
- 100% Coverage
- Very Flexible
- Short Lead Times
- High Edge Film-Build

 800-USA-COIL

 [WWW.USACOIL.COM](http://WWW.USACOIL.COM)

 MADE IN USA

### PRETREATMENT

Parts are cleaned and pretreated with a conversion coating to prepare the part for electro-coating.



### ELECTRO-COAT

Direct current is applied between the parts and an electrode. Paint is attracted by the electric field to the part where it is deposited.



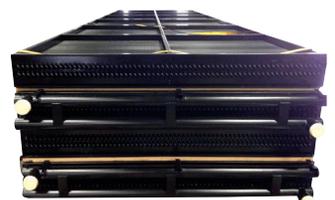
### RECOVERY

Parts are rinsed to reclaim undeposited paint solids.



### CURE

Paint is thermally cross-linked or cured.



*Products and specifications subject to change without notice.*

## FinKOTE ADVANTAGE

Corrosion resistance is superior to other coating application methods because immersion E-Coat provides a complete, uniform coating – even in corners, on edges and in hard to reach, partially enclosed spaces. Because the applied coating contains very little water, there are no runs or sages and parts can be handled almost immediately. Consistent, controlled application without spray gun error nearly eliminates the need for manual touch ups.

E-Coating dramatically cuts material costs because coating waste is minimal. Virtually all of the coating put in the tank goes on the products and stays on the product. In addition, low solvent, water-borne formulations make electro-coating the perfect environment-friendly finish for the new millennium and beyond.

PERFORMANCE TESTING		
TEST	SPECIFICATION	RESULTS
SWAAT Run to Fail	ASTM G85 A3	289 days (6936 hrs)
30 Day SWAAT + Adhesion	ASTM G85 A3, ASTM D3359	Pass, 4B
2400 hr Cyclic Corrosion + Burst	ASTM G85 A2	Pass, 2100 psig
Water Resistance	ASTM D870-09	Pass, 260 hrs, no flaking or chipping
Chipping Resistance	ASTM D3170	Pass, 7A
Steam Resistance	ASTM D714	Pass, 48hr, #6 or better
Humidity Resistance	ASTM D2247	Pass, 600 hrs, no blistering or gloss loss
UV & QUV Resistance	ASTM G53-88, D4587, D523	1000 hrs, no loss
Chemical Resistance		48 hr immersion resistance to over 200+ chemicals
Heat Transfer		<3%
Thickness	ASTM 376	.8 - 1.2 mil (E-coat)
1.8 - 4 mil (total)		
Flexibility	ASTM D4145, ASTM 522	2T, 5/8" mandrel
Impact Resistance	ASTM D2794-93	120 in. lbs, no cracking or chipping
Adhesion	ASTM 3359	5B

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