

APPLICATIONS

Evaporator & Condenser Coils / Coastal Environments /
Water Treatment Facilities / Commercial Building Units

TEST	SPECIFICATION	RESULTS
SWATT Run to Fail	ASTM G85 A3	289 days (6,936 hrs)
30 Day SWATT + Adhesion	ASTM G85 A3, ASTM D3359	Pass, 4B
2,400 hr Cyclic Corrosion + Burst	ASTM G85 A2	Pass, 2,100 psi
Water Resistance	ASTM D870-09	Pass, 260 hrs no flaking or chipping
Chipping Resistance	ASTM D3170	Pass, 7A
Steam Resistance	ASTM D714	Pass, 48 hr #6 or better
Humidity Resistance	ASTM D2247	Pass, 600 hrs no blistering or gloss loss
UV & QUV Resistance	ASTM G53-88, D4587, D523	1,000 hrs no loss
Chemical Resistance	N/A	48 hrs Immersion Resistance to over 200+ chemicals
Heat Transfer	N/A	<3%
Thickness	ASTM 376	0.8-1.2 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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Protecting your
products today
and tomorrow.

FINKOTE²
by ecoat.us

The most advanced E-coating system in the HVAC industry.

FINKOTE²

Premium Solution for Corrosion Protection

- Axalta EC-6100 Epoxy Electro-Coat
- NSF-51 & 61 Certified
- Advanced Zirconium Oxide Pretreatment
- Developed to Provide the Most Flexible Coating
- 6900+ Hours ASTM G85 A3 Corrosion Resistance

PROPERTIES

Material: Axalta EC-6100 Cathodic Epoxy
DFT: 0.8-1.2 mil Primer, 1.8-3.2 mil Total
Flexibility: ASTM D4145 - 2T
Impact Resistance: 120 in lbs
Color: Black

PERFORMANCE TESTING

Corrosion: ASTM G85 A3 / 6,900 + hrs
Adhesion: ASTM D3359 / 5B
Hardness: ASTM 3363 / 3B
Cure: ASTM D5402 / 200bl Rubs - No Loss
Top Coat Gloss: 85 @ 60 Degree Angle

FINKOTE^{Zx}

Extreme Environment Coating System

- Advanced Zirconium Oxide Pretreatment
- Electro-deposit Epoxy Base Primer - NSF51 - NSF61 Certified
- Cross-linked Top Coat - FDA Compliant
- Resistant to Acids, Chlorides, Sanitizers, H2S

PROPERTIES

EC-6100 Cathodic Base Primer
Proprietary Chemical Resistant Top-coat
DFT - 1.5-2.8 ml
Max Temp - 550 F Continuous

PERFORMANCE TESTING

Corrosion: ASTM G85-A3 6,900+
Adhesion: ASTM D3359 5B
NSF - 51 Certified

APPLICATIONS

Food Processing Facilities / Waste Water Treatment Facilities /
Airports / Refineries & Chemical Processing Facilities / Offshore
Platforms / Mining

FINKOTE^{Cc}

Cost Effective Protection for Mild/
Moderate Corrosion

Thin Film Conversion Coating

- Doubles the Life vs. Uncoated Coil
- Excellent Protection fro Mild/Moderate Chloride Corrosion
- Economical Alternative vs. Polymeric Coatings
- Appropriate for Outdoor Exposure - UV Durable
- ROHS, REACH, WEEE, ELV, OSHA PEL Compliant

PROPERTIES

Material: Trivalent Chromium Alum.
Film Thickness: 200-500 um
Flexibility: ASTM D 4145 - 2T
Color: Blue / Iridescent

PERFORMANCE TESTING

SWATT: ASTM G85 A3 / 3,200 hrs
Salt Spray: ASTM-B-117 / 3,000+ hrs
Heat Transfer: <1%
Meets MIL-DTL-5541

FINKOTE^{Aa}

Spray Applied / Field Applied

- Water Based (no-hazardous, HAPS free, no VOCs)
- Ambient Cure (no oven requirement)
- Coat Any Size Coil (no dimension limits)
- Licensing Available

PROPERTIES

Material: Modified Alkyd Polymer
DFT: 0.8-1.2 mil
Color: Black / Blue
Water Based, Ambient Cure
UV/QUV Stable

PERFORMANCE TESTING

SWATT: ASTM G85 A3 / 3,200 hrs
UV/QUV: ASTM G53 88 / 2,000 hrs
Heat Transfer: < 3%
Flexibility: ASTM D 4145 - 2T
Cross Hatch: D3359 / 5B

FINKOTE^{Hp}

Super Hydrophilic & Hydrophobic Systems

⊕ for Hydrophilic Applications

- Attracts Water to Surface
- Polar Charged
- Hydrophilic Interacts with Water
- Self-Cleaning Effect

⊖ for Hydrophobic Applications

- Repels Water on Surface
- Reduces Mold & Mildew Growth
- Non-Polar Charged Surface

FINKOTE^{Rx}

Advanced Anti-Microbl Potection

- Dramatically Reduces the Growth of Germs on Surfaces
- 99% Effective Against Mold, Mildew, E Coli, H1N1, and MRSA
- Permanently Bonded to Surfaces
- Destroys Microorganisms by Attacking the Cell Membrane

PROPERTIES

Organic Functional Silane
Cross-linked Polymer
Covalent Bonding to Surface

PERFORMANCE TESTING

Spectrum Microbial Control: Fungi,
Mold, Mildew, Germs, Gram (+) and
Gram (-) Bacteria, Yeast, and Algae
Infinite Life