



ElectroFin[®] E-coat Specification

Coil shall have a flexible epoxy polymer e-coat uniformly applied to all coil surface areas without material bridging between fins. Coating process shall ensure complete coil encapsulation and a uniform dry film thickness from 0.8 – 1.2 mil on all surface areas including fin edges. Superior hardness characteristics of 2H per ASTM D3363-92A and a cross-hatch adhesion of 4B-5B per ASTM B3359-93. Impact resistance shall be up to 160 in/lb per ASTM D2794-93. Humidity and water immersion resistance shall be up to a minimum 1000 and 260 hours respectively (ASTM D2247-92 and ASTM D870-02). Corrosion durability shall be confirmed through testing to no less than 5,000 hours salt spray per ASTM B117-90 using scribed aluminum test coupons.

Coils subjected to ultraviolet (UV) exposure shall receive a spray-applied, UV-resistant polyurethane topcoat to prevent UV degradation of e-coat.

Approved Vendors

AST ElectroFin, Inc. – Louisville, KY
AST ElectroFin Texas, Inc. – Jacksonville, TX