



TECHNICAL DATA SHEET

GENERAL DESCRIPTION
– SUBJECT TO CHANGES OR DEVIATIONS

GulfCoat[®] AM, Antimicrobial Aerosol

APPLICATIONS IDEALLY SUITED FOR GULFCOAT[®]

- Heat exchanger coils (water, evaporator, DX)
- Mini-split Evaporator
- Packaged Rooftops
- Modular Air-handlers
- Interior HVAC cabinetry

PRODUCT DESCRIPTION

GulfCoat[®] AM, an agion antimicrobial coating inhibits the growth of bacteria, molds, fungi and other microbes through the release of silver (Ag) ions. Agion is designed to automatically release its antimicrobial components when conditions for bacteria growth are present. It is a durable, antimicrobial coating designed for HVAC environments.

The Agion compound has been approved by the US EPA for use in HVAC Systems – EPA Registration No. 71227-7-72854 & 71227-7-88165

SPECIFICATIONS

Heat exchanger (HX) coils, cabinets and optional internal HVAC components shall have a water-based synthetic polymer GulfCoat antimicrobial coating with embedded Agion spray-applied with no runs, sags or material bridging between fins. The spray coating process will ensure a uniform dry film thickness of 15 - 30 µm (0.6-1.2 mils) and meet 5B rating crosshatch adhesion per ASTM D3359. Corrosion durability will be confirmed through testing to no less than 15,000 hours salt spray resistance per ASTM B117 using aluminum test coupons.

PROPERTY	TEST METHOD	PERFORMANCE
Antifungal	ASTM G21	Zero growth
Dry Film Thickness	--	0.4 - 1.4 mil
Cross Hatch Adhesion	ASTM D3359	5B
Pencil Hardness	ASTM D3363	HB-F
Direct Impact	ASTM D2794	Passed 160#
Salt Spray	ASTM B117	>5000
Humidity	ASTM D2247	1000 hours
Mandrel Bend	ASTM D522M	Pass 1/4"
UV Resistance	ASTM D4587	1000 hours
Antimicrobial	ISO 22196	LOG 5 / LOG 6 Reductions

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