

GulfCoat™

contractor series
coil coating

DIY Spray-Applied Corrosion Resistant Coil and Cabinet Coatings

GulfCoat™ Contractor Series Coil Coating is new from Modine CIS. GulfCoat™ TransBlue and TransGold are water based corrosion resistant coatings that are environmentally friendly and will provide the ultimate in corrosion protection. GulfCoat™ coatings provide a HVAC coil coating system for added corrosion protection on aluminum and copper finned RTPF and MCHX coils.

GulfCoat™ Coatings are water-based and water-reducible synthetic flexible polymer corrosion resistant coatings specifically designed for the protection of HVAC/R components and cabinetry. GulfCoat™ is formulated to improve adhesion, moisture resistance, UV protection and corrosion resistance.

GulfCoat™ Contractor Series coatings provide a HVAC coil coating system for added corrosion protection on aluminum and copper finned RTPF and MCHX coils. GulfCoat™ coatings help to reduce the accelerated corrosion of HVAC coils. By following the coating and maintenance instructions, end users should expect extended life cycles while avoiding energy loss due to corrosion.

SPECIFICATIONS

Heat exchanger (HX) coils shall have a water-based synthetic polymer coating spray-applied with no 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 D3359-09. Corrosion durability shall be confirmed through testing to no less than 3,000 hours salt spray resistance per DIN 53167 (ASTM B117-11) using aluminum and/or copper test coupons.

APPLICATION METHOD

Spray using compressed air and conventional HVLP spray gun. Mix well before and during application. Brush and roll applications are not recommended.



APPLICATIONS IDEALLY SUITED FOR GULFCOAT™ COATINGS

- Heat Exchanger Coils (water, condenser, evaporator, DX)
- Mini-Splits
- Packaged Rooftops
- Condensing Units
- Modular Air-handlers
- Air-Cooled Chillers
- Interior & Exterior HVAC Cabinetry and Copper Piping

Protect Expensive HVAC&R Equipment from Corrosion!
GULFCOAT™ CONTRACTOR SERIES COIL COATINGS

TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	PERFORMANCE
Salt Spray	DIN 53167/ASTM B117	Exceeds 3,000 hours
Water Immersion	ASTM D870	1000 hours minimum - 0 blisters
Pencil Hardness	ASTM D3363	HB-F
Cross Hatch Adhesion	ASTM D3359	5B minimum
Humidity	ASTM D2247	1000 hours minimum - 0 blisters
UV Resistance	ASTM D4587	1000 hours minimum - ΔE color shift < 2
Mandrel Bend (Flexibility)	ASTM D522M	Pass
Mold Resistance	ASTM G21	Pass
Sand & Dust Resistance	MIL-STD 810F	Pass

Residential cooling loads in hot and humid climates can task utility bills and cooling equipment. Average residential energy use in these difficult environments show that air conditioning can consume almost 30% of total utility costs. Coated coil and cabinet protection for this equipment will enhance its ability to remain efficient throughout its life cycle.

RESISTANCE TO:

RESISTANCE TO CORROSION

GulfCoat™ TransBlue and TransGold have a robust synthetic multi-polymer resin backbone that is suitable for most environments and will maintain its appearance after many years of exposure to the elements.

RESISTANCE TO UV DEGRADATION

Built in enhanced UV inhibitors form a protective barrier throughout the paint film. As a result, UV degradation of individual polymer molecules are reduced and the film integrity maintained.

GLOSS RETENTION

A high gloss finish is applied that is smooth, limits dirt and debris buildup and allows for easy equipment cleaning.