2230 Orpheus court
Bakersfield, CA93308
Office: (661) 393 6540
Fax: (661) 393-6523

HVAC/R Surface Protection Treatment – MG1-3500

Corrosion and Mold Protection, with Energy Enhancing Characteristics:

Scope: Provide sustainable surface protection to HVAC/R components that seals the surface against moisture intrusion, prevents oxidation and corrosion of surface material and provides a final surface that will not support the growth of mold, fungus or algae. Protection must include coils, tubing, fans, fan housing, compressors, external/internal cabinets, base rails, and dampers.

Physical Characteristics: Coating/Surface treatment is clear, inorganic, hydrophobic and olephobic when dry.

Specifications

- (ASTM B117) Salt Spray (Fog) Testing – Exceeds 25,000 hrs.
- (ASTM G21) Mold Resistance – No Mold
- (ASTM D2485) High Temperature Test - 700°F
- Flexibility – Bend Flat 180° - No cracking or chipping
- (ASTM D3363) Pencil Hardness Testing – 9H
- (ASTM D3359) Adhesion Test – 5B Plus
- No Thermal Degradation

Product Description: The surface protection treatment is an Inorganic – Siloxane.

Characteristics:

- Forms a clear Glass-Like thin film dry @ 6 to 8 microns (25.4 Microns in 1 Mil)
- Surface treatment adheres to substrate by direct atom to atom Covalent bonding, as well as London Force method becoming the new permanent surface (no oxygen between substrate and treatment)
- Anti – Static surface (stays cleaner longer)
- Resistant to UV radiation (no carbon elements) and chemicals between pH of 3 to 11
- Factory or Field applied
- Surface treatment does not act as an insulating barrier – No Loss/Reduction in Energy Efficiency.
- Surface treatment does not reduce air flow due to thickness/bridging or surface texture resulting in reduced efficiency (Including micro-channel coils).

Product Application Process: Surface treatment may be applied by spraying, rolling, brush or wiping. The use of a factory certified applicator is required.

Acceptable Surface Materials: Coating/Surface treatment is capable of adhering to and performing on exterior painted metals, aluminum, copper, anodized metal, brass, bronze, stainless steel and galvanized steel.

Curing Times and Conditions: The Coating/Surface treatment will cure in ambient air temperature between 60°F to 95°F where the difference between dew point temperature and ambient temperature is greater than 5°F. Tacky cure will occur within 30 minutes and the surface will be dry to use within 1 hour after application.

Customer Benefits:

- Effectively Resists Oxidation/Corrosion
  - Extends Efficient Operating Life
- Improves Indoor Air Quality
  - Mitigates Mold Growth – Evaporator coil
- Documented Energy Savings on existing HVAC/R systems
  - 12% Certified by third Parties
- Ease of Cleaning
  - Self Cleaning – Evaporator Coil
  - High Foaming Non-Acid Cleaner or water only - Condenser coil
- **7.5 Year Coil/Fin Limited Warranty**