



D-COAT™

Reduce your maintenance costs with a special coating that upgrades your coil to be a self-cleaning coil.

SELF CLEANING =

SUPER HYDROPHOBIC

NSF P1 Registration plus FDA antimicrobial approval



MAXIMUM PROTECTION WITH **D-COAT | D-COAT UV** SUPER HYDROPHOBIC SURFACE

UNCOATED SURFACE

HYDROPHOBIC SURFACE



Dust resistance



Corrosion Protection



Reduce maintenance costs



Anti Fungi & Microbial

Full Corrosion Protection For HVAC/R Equipment

D-COAT™ treatment series are designed for use on commercial air conditioning coils, refrigeration, industrial coils, transportations and other air conditioning equipment; coils, fins, tubes and all internal metal surfaces.

These products can be installed on units before installation or on previously installed field units with equal success.

D-COAT™ HVAC/R protective treatments retard corrosion on the non-ferrous metal fins and tubes, thus, extending the life of the equipment asset and helping to maintain good airflow efficiencies.

D-COAT UV™ offers UV protection which helps the coating to last longer. Best for outdoor units to preserve the performance and longevity of the coils.



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Self Cleaning Technology

Corrosion Protection Test Data

CERTIFICATION

ASTM B117 :	+10,000Hrs Modified Salt Spray Test
ASTM G85 :	2,000Hrs Modified Salt Spray Test
ASTM D522 :	Flexibility Test
ASTM G21 :	Resistance to Fungi
ASTM G22 :	Resistance to Bacteria
ASTM G87 :	Moist SO Test
MIL-STD-810 :	Sand and Dust Test

D-COAT™

Can reduce water residuals and stop oxidation which is the main reason why coils corrode.

Antimicrobial additives :

Prevent the growth of bacteria and fungi

Food Grade Test Data

The antimicrobial additive used in the D-COAT™ Product has:

- Food contact notification received from the US FDA
- EPA FIFRA Registration
- EPA Food contact use
- EPA Drinking water contact use
- EPA Heat, Ventilation and Air Condition (HVAC) use
- NSF Certification Standard 51 Food Equipment Material

Chemical Resistances

D-COAT™ offers protection to a majority of aggressive environments with the exception of strong alkalis and oxidizing chemicals. The following is the chemicals and solvent resistance guide of chemical exposure:

Corrosive Agent Strength Rating

Hydrochloric Acid 5%	E	Phosphoric Acid 30%	E
Hydrochloric Acid 10%	E	Phosphoric Acid 50%	E
Hydrochloric Acid 20%	E	Acetic Acid 10%	E
Hydrochloric Acid 30%	E	Sodium Hydroxide 10%	G
Sulphuric Acid 5%	E	Trichloroethylene	E
Sulphuric Acid 10%	E	Toluene	G
Sulphuric Acid 20%	E	Methylated Spirits	G
Sulphuric Acid 30%	E	Mineral Turps	G
Phosphoric Acid 5%	E	MEK	G
Phosphoric Acid 10%	E	Acetone	G
Phosphoric Acid 20%	E		

Legend E=Excellent G=Good P=Poor

In addition the above D-COAT™ demonstrates excellent resistance to fumes from the following:
Lactic Acid, Oxalic Acid, Humic Acid and Saltwater.

Technical Specification Properties :

Coating Process:	Spraying or dipping (Special cases)
Composition:	Water-based
Color:	D-COAT™ Light blue / D-COAT UV™ Grey
Super Hydrpphobic:	Additives to increase condensation and improve corrosion resistance
Gloss Level:	Full
Chemical Resistance:	Excellent (with the exception of strong alkalis or oxidizing chemicals) see chemical resistance for more information
Solvent Resistance:	Depends on selection of solvent
Temperature Range:	Up to 120 °C
Fin pattern:	Standard and also suitable for enhanced fin designs
Fin Type:	Aluminum, Copper
Film thickness:	6-20 microns d.f.t. (dry film thickness) per spray coat (within condition) 6-20 microns d.f.t. (dry film thickness) per dipping coat
Heat Transfer:	Insignificant impairment at the given thickness

