



D-COAT™

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

**SELF
CLEANING**

NSF P1 Registration plus FDA
antimicrobial approval

=

**SUPER
HYDROPHOBIC**

ASTM B117 Salt Spray Test – 20,000 Hrs

Corrosion Resistance Verified: 2025 Test Update



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.



www.cigblusolutions.com



Self Cleaning Technology

ASTM B117 Salt Spray Test – 20,000 Hrs

Corrosion Resistance Verified: 2025 Test Update

Corrosion Protection Test Data

CERTIFICATION

ASTM B117 :	20,000 Hrs 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 Hydrphobic:	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

