

# Tropi-Coat<sup>TM</sup>

HVAC cabinet protection

## Spray-Applied Corrosion-Resistant Coil and Cabinet Coating

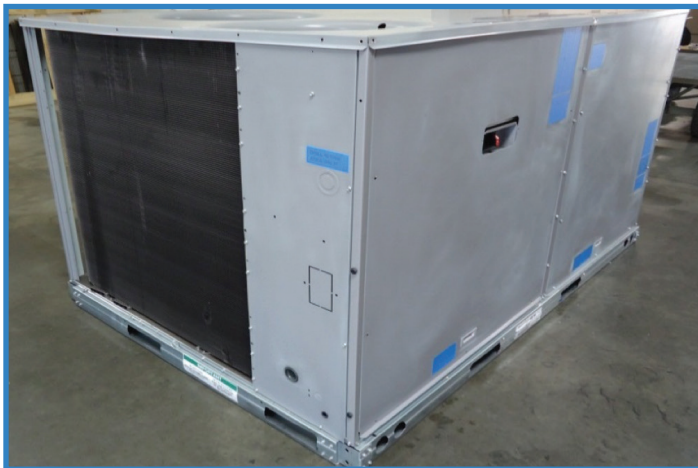
Engineered for harsh environments, Tropi-Coat<sup>TM</sup> is offered as Modine CIS' premium service featuring 'Insitu ES2' embedded with 316 Stainless Steel. Tropi-Coat is applied to all coil surface areas, internal components, copper tubing, external cabinet and base side rails. This allows 100% exposed capsulation and is designed as a top coat over the existing factory finish, acting as a sacrificial barrier.



BEFORE



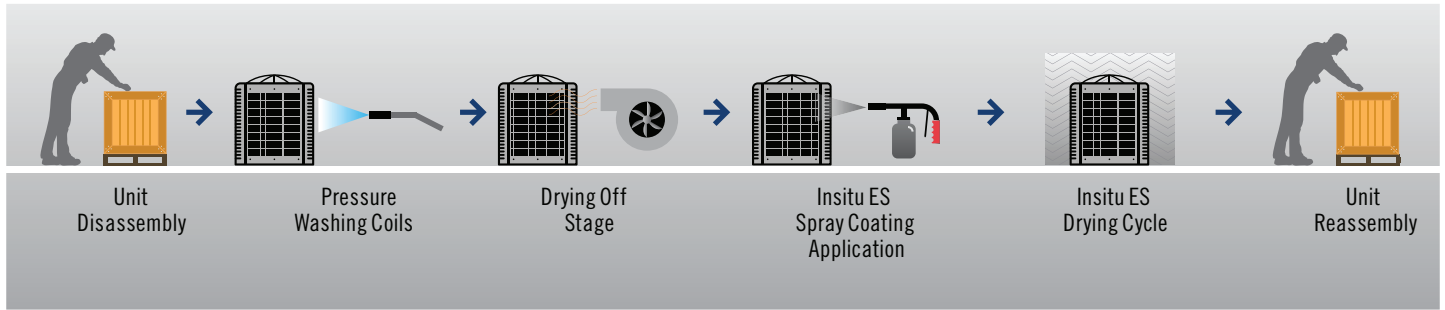
AFTER



\*Fan wheels and indoor airstream surfaces not included due to possible imbalance and contamination.

The Best Total Corrosion Protection For Commercial HVAC Rooftop & Chillers  
**SPECIFY ELECTROFIN<sup>®</sup> E-COAT + INSITU<sup>®</sup> SPRAY COAT**

# INSITU® SPRAY COAT PROCESS



## SPECIFICATIONS

Insitu® Spray Coat contains ES<sup>2</sup> (embedded stainless steel pigment) technology, an anticorrosion coating specifically designed for the protection of coils mounted in corrosive areas. Coils will have a permanent, water-based synthetic coating with ES<sup>2</sup> pigment applied to all coating surface areas without material bridging between fins. The coating process will ensure a uniform dry film thickness of 0.6-1.2 mils and meet 5B rating crosshatch adhesion per ASTM D3359. Corrosion durability will meet in excess of 10,000 hours salt spray resistance per ASTM B117.

## RESISTANCE TO CORROSION

ES<sup>2</sup> pigments are made from a high-performance stainless alloy which is resistant to corrosive conditions. ES<sup>2</sup> pigments are therefore suitable for even the most corrosive environments, and will maintain their appearance after many years of exposure.

## RESISTANCE TO UV DEGRADATION

ES<sup>2</sup> pigments form a multi-layer structure throughout the paint film. This creates a barrier layer which reflects sunlight away from the paint film, and prevents ultraviolet rays from penetrating. As a result, UV degradation of individual polymer molecules is eliminated, the film integrity is maintained, and the pigment particles are well anchored to the substrate. The resultant smooth, hard finish stops dirt from accumulating.

## RESISTANCE TO MOISTURE

The multi-layer structure of the ES<sup>2</sup> pigments slows the passage of water molecules into the film and acts as an effective moisture barrier. This prevents the subsequent swelling and deterioration of the protective film.

## TECHNICAL PERFORMANCE

PROPERTY	TEST METHOD	PERFORMANCE
Salt Spray	DIN 53167/ASTM B117	Exceeds 10,000 hours
Water Immersion	ASTM D870	500 hours minimum
Pencil Hardness	ASTM D3363	HB-F
Cross Hatch Adhesion	ASTM D3359	5B
Humidity	ASTM D2247	500 hours minimum
UV Resistanc	ASTM D4587	500 hours minimum
Mandrel Bend (Flexibility)	ASTM D522M	Pass
Mold Resistance	ASTM G21	Pass
C5-I Continuous Condensation	ISO 6270	Pass
C5-I Salt Spray	ISO 7523	Pass
C5-I Chemical Resistance	ISO 2812-1	Pass

## IDEAL APPLICATIONS FOR INSITU® SPRAY COAT

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

## ADVANTAGES OF INSITU® SPRAY COAT

- Unparalled Customer Service
- Applied by Insitu® Spray Coat Certified Technicians
- Short Lead-Time of 5-7 Days Standard
- Crane Off-Load
- Local Pick Up and Delivery Available
- On-Site Application Available
- Modern, Fully-Licensed and Permitted Facilities

MODINE MANUFACTURING COMPANY  
Commercial & Industrial Solutions – Coatings

**Tampa**  
10225 Elizabeth Place  
Tampa, FL 33619  
Telephone: 813.689.4282

**Pompano**  
1950 NW 15th Street, Bldg. B  
Pompano Beach, FL 33069  
Telephone: 954.973.0584

**Temecula**  
42235 Winchester Rd.  
Temecula, CA 92590  
Toll-Free: 866.488.0217  
Telephone: 951.699.8528

**Louisville**  
1423 West Ormsby Avenue  
Louisville, KY 40210  
Telephone: 502.634.9458

LICENSED APPLICATORS WORDWIDE

[ModineCoatings.com](http://ModineCoatings.com)

INS75-102.1