Insitu® Spray Coat is a unique and proprietary coating process that offers today’s HVAC&R systems the highest level of corrosion resistant protection. A properly coated system with Insitu® Spray Coat corrosion protection can withstand harsh environments, providing long-term and cost-effective service.

- Insitu® Spray Coat is water-based (solvent free) and water-reducible synthetic flexible polymer coating engineered specifically for HVAC&R equipment
- Insitu® Spray Coat can be applied at our facilities or on-site after installation
- Insitu® Spray Coat will increase operating efficiency and reduce maintenance and operating costs
- Insitu® Spray Coat extends the service life of HVAC&R systems
- Insitu® Spray Coat resists corrosion, ultraviolet rays and moisture
- Insitu® Spray Coat protects both round tube and micro-channel coil designs
- Insitu® Spray Coat post-manufacturing solution
- Insitu® Spray Coat process will ensure a uniform dry film thickness of 0.6-1.2 mils and meet 5B rating crosshatch adhesion per ASTM D3359-93
- Insitu® Spray Coat is durable and meets in excess of 5,000 hours salt spray resistance per ASTM B117
- Meets C5-I medium durability as per ISO 12944-2

**INSITU® SPRAY COAT ES² TECHNOLOGY**

Insitu® Spray Coat is a water-based and water-reducible synthetic flexible polymer anti-corrosion coating specifically designed for the protection of HVAC&R coils and components. Insitu® Spray Coat contains ES² (embedded stainless steel pigment) technology, an anticorrosion coating specifically designed for the protection of coils mounted in corrosive areas. HVAC&R coils, components, and cabinet will have a permanent, water-based synthetic coating with ES² pigment applied to all coating surface areas without material bridging between fins. ES² pigments are therefore suitable for even the most corrosive environments and will maintain their appearance after many years of exposure.

The Best Total Corrosion Protection For Commercial HVAC Rooftop & Chillers

**SPECIFY ELECTROFIN® E-COAT + INSITU® SPRAY COAT**
SPECIFICATIONS
Insitu® Spray Coat contains ES² (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 ES² 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 D3359-93. Corrosion durability will meet in excess of 5,000 hours salt spray resistance per ASTM B117.

RESISTANCE TO CORROSION
ES² pigments are made from a high-performance stainless alloy which is resistant to corrosive conditions. ES² pigments are therefore suitable for even the most corrosive environments, and will maintain their appearance after many years of exposure.

RESISTANCE TO UV DEGRADATION
ES² 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 ES² 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

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

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