



TECHNICAL DATA SHEET

GENERAL DESCRIPTION
– SUBJECT TO CHANGES OR DEVIATIONS

Insitu[®] Clear Spray Applied, Anti-Corrosion Coil, Components and Cabinet Coating

APPLICATIONS IDEALLY SUITED FOR INSITU[®] CLEAR SPRAY COATING

- Mini-splits
- Packaged Rooftops
- Condensing Units
- Modular Air-handlers
- Air-cooled Chillers
- Interior & exterior HVAC cabinetry and components

PRODUCT DESCRIPTION

Insitu[®] Clear Spray Applied Coating is a water-based and water reducible synthetic flexible polymer anti-corrosion coating specifically designed for the protection of HVAC&R coils, components and cabinetry. Insitu[®] Clear has been reformulated for improved corrosion performance, UV protection, moisture resistance and adhesion in all environmental conditions.

The reformulated formulation contains higher solids to maintain the same clear depth & gloss characteristics in all environmental conditions.

SPECIFICATIONS

The spray coating process will ensure a uniform dry film thickness of 15-31 µm (0.6-1.2 mils) and meet 5B rating crosshatch adhesion per ASTM D3359. Corrosion durability will be confirmed through testing to no less than 15,000 hours salt spray resistance per ASTM B117 using aluminum test coupons.

PROPERTY	TEST METHOD	PERFORMANCE
Salt Spray	ASTM B117	Exceeds 15,000 hours
SWAAT	ASTM G85	Exceeds 2,400 hours
Pencil Hardness	ASTM D3363	HB
Cross Hatch Adhesion	ASTM D3359	5B
Humidity	ASTM D2247	1000 hours minimum
UV Resistance	ASTM D4587	1000 hours minimum
UV Resistance	ASTM G155 XENON	2,000 hours
Mandrel Bend (Flexibility)	ASTM D522M	Pass 1/4"
C5-I Continuous Condensation	ISO 6270	Pass
C5-I Salt Spray	ISO 7523	Pass
C5-I Chemical Resistance	ISO 2812-1	Pass
Direct Impact	ASTM D279	Pass 160#

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