







Product Information Sheet

Aqua Aero Coil Coat

Aqua Aero Coil Coat is a voc-free coil coating for Microchannel (MCHX) and Round Tube Plate Finned (RTPF) heat exchangers.

The product properties combine an extreme chemical and corrosion resistance without interfering the original capacity of the heat exchanger.

	<p>Characteristics</p> <p>Aqua Aero (AA) Coil Coat is a water-based coating system that gives a life time corrosion protection to full aluminum microchannel and RTPF fin coils. The coating can be applied by spraying, dipping or flowing. Without any ESH restrictions, AA Coil Coat can be applied to coils inside an OEM plant or to installed HVAC&R units. AA Coil Coat can be supplied with anti-microbial, hydrophilic or hydrophobic properties. The coating can be applied at any site without ESH restrictions, compliant to AQMD regulations in California since AA Coil Coat is REACH and ROSH compliant..</p>										
	<p>Components</p> <p>AA Coil Coat is based on modified acrylic waterborne resin binders with high elongation properties. Well-balanced but proprietary additives are added to establish no interference with heat transfer, high chemical resistance, fire and smoke retardants and UV A,B and C resistance. The typical properties can cope with defrost cycles and temperature fluctuations. An additional layer of AA Multi Coat will graduate the fin pack to a C5 compliant protection.</p>										
	<p>Test Specifications</p> <table border="1"> <tr> <td>Immersion ISO 2812-2</td> <td>> 1.000 hrs</td> </tr> <tr> <td>ASTM B117 on Q-Panel</td> <td>> 15.000 hrs</td> </tr> <tr> <td>ASTM B117 on Q-Panel</td> <td>> 20.000 hrs including Multi Coat</td> </tr> <tr> <td>UV-resistance ISO 16474-2</td> <td>> 1.000 hrs</td> </tr> <tr> <td>Cross Hatch ISO 2409</td> <td>GT 0 / 5B</td> </tr> </table>	Immersion ISO 2812-2	> 1.000 hrs	ASTM B117 on Q-Panel	> 15.000 hrs	ASTM B117 on Q-Panel	> 20.000 hrs including Multi Coat	UV-resistance ISO 16474-2	> 1.000 hrs	Cross Hatch ISO 2409	GT 0 / 5B
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	<p>Coverage</p> <p>20 m2 per liter / 814 sqft per gallonz</p>										
	<p>voc</p> <p>Volatile Organic Compound: 0 - 30 grams per liter</p>										















**100%
green
footprint**



**100%
water
based**



**100%
pure
quality**

	Spray Viscosity	At 20°C / 68°F: RFU: 25 - 50 seconds, measured by DIN cup 4mm. Add 5-15% clean water to reach the required spraying viscosity.
	Potlife	N/A
	Dry Film	Thickness at 25°C: 20 - 40 µm / 0,8 - 1,6 mil
	Flash Off	10 - 20 min
	Process Application	Certified applicators only
	Surface Conditions	
	Aluminum fin surface	Cleaning, Drying, AA Coil Coat, AA Multi Coat for High- and Extreme-Tier
	Copper fins	Cleaning, Drying, 2x AA Coil Coat, AA Multi Coat for High- and Extreme-Tier
	Headers	Cleaning, Drying, Primer, AA Coil Coat, AA Multi Coat for High- and Extreme-Tier
	PreCoating	Cleaning, Drying, AA Coil Coat, AA Multi Coat for High- and Extreme-Tier
	MCHX	Cleaning, Drying, AA Coil Coat, AA Multi Coat for High- and Extreme-Tier
	Instructions for Use	
	Check temperature of coil, surrounding and coating not to exceed 15 - 35°C / 59 - 95°F. Mechanically mix the coating until all pigments are uniformly dispersed. Allow products to reach application temperature before use. Add 5-15% clean water to meet the required viscosity, which may vary depending on the application type.	
	Application Conditions	
	Temperature	15 - 35°C / 59 - 95°F
	Relative Humidity	< 85%
	Application condition limits are sensitive: higher temperatures and forced air will decrease the drying times. Protect application area from high temperatures and sand, dust, dirt and other contamination.	
	Tooling	HVLP/LVLP 1,3 - 1,5 Ø (mm)
		Nozzle angle 20°
	Equipment Cleaning	
	Recirculate water through the spray equipment until the water is clean. Keep the system full of water until the system is reused. Keep needles, nozzles etc. submerged in water with detergent in a closed container. Before use, rinse system and equipment with clean water.	
	Transport	Density 1.11 kg/ ltr
		Flashpoint ≥100°C (≥212°F)
	Physical Properties	
	Store the product in a dry place at temperatures between 8 - 30°C / 46 - 86°F (<85% RH). Storage in original closed containers only. Shelf life is 12 months if stored under the right conditions.	

Revision Date: February 2024

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