







# Product Information Sheet

## Aqua Aero Nano Coil Coat

Is an European engineered solvent based anti-corrosion coating for the HVAC&R industry. Aqua Aero Nano Coil Coat is meeting the quality requirements for solvent-based coil coatings in the global HVAC&R industry.

	<b>Characteristics</b> Aqua Aero (AA) Nano Coil Coat is a coating system that gives a life time corrosion protection to full aluminum micro channel coils and round tube plate fin coils. The coating can be applied by can be applied by spraying, flowing or dipping. AA Nano Coil Coat can be applied to coils inside an OEM Plant or to installed HVAC&R units in the field. AA Nano Coil Coat can be supplied in various packing sizes. The coating cures fast and can be easily maintained to keep long warranty terms.
	<b>Components</b> AA Nano Coil Coat is a solvent-based acrylic coating with high elongation properties. Aluminum pigmentation is added to establish heat transfer, chemical resistance and UV-blocking properties.
	<b>Test Specifications</b>
	ASTM B117                      10.000 hrs
	ASTM G 85-5                      3.000 hrs
	UV-resistance ISO 16474-2   2.000 hrs
	Humidity ASTM 2247            2.000 hrs
	<b>Drying Times</b>
	<b>Drying times substrate 20°C / 68°F</b>
	Touch dry after                      10 - 30 min
	Dry to handle after                30 - 60 min
	Color                                    On request
	<b>Coverage</b> 20 m2 per liter / 814 sqft per gallon
	<b>voc</b> Volatile Organic Compound: 480 grams per liter















**100%  
green  
footprint**



**100%  
water  
based**



**100%  
pure  
quality**

	<b>Spray Viscosity</b>	20 °C / 68 °F / RFU: 20-28 seconds Din cup 4 mm
	<b>Potlife</b>	N/A
	<b>Dry Film</b>	Thickness at 25°C: 20-35 µm / 0,8-1,4 mil
	<b>Flash off</b>	60 min
	<b>Process Application</b>	Certified applicators only
	<b>Surface Treatment</b>	
	Aluminum fin surface	Cleaning Detergent, Drying, AA Nano Coil Coat
	Copper headers	Cleaning, Etching, Drying, AA Primer Coat, AA Nano Coil Coat
	Copper fins	Cleaning, 5% phosphoric acid, Rinsing, Drying, AA Primer Coat, AA Nano Coil Coat
	PreCoating	Cleaning, Drying, AA Nano Coil Coat
	MCHX	Cleaning, Drying, AA Nano Coil Coat
	<b>Instructions for Use</b> Mechanically mix the coating until all pigments are uniformly dispersed. Add Ethyl Acetate until spray viscosity is reached. Aerosol: apply multiple thin layers.	
	<b>Application Conditions</b>	
	Temperature	15 - 35°C / 59 - 95°F
	Relative Humidity	< 85 %
	Application condition limits are sensitive: higher temperatures and forced air will speed up the drying times.	
	<b>Tooling</b>	HVLV/LVLP    1,2 - 1,5 Ø (mm) Nozzle angle    20°
	<b>Equipment Cleaning</b> 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.	
	<b>Transport</b>	Density    1.1 kg/ ltr
		Flashpoint    ≥13°C (≥55,4°F)
	<b>Physical Properties</b> Store the product in a dry place at temperatures between 8–30°C / 46–86°F) and relative humidity below 85%. Store only in the original closed containers. The shelf life is 12 months when stored under the correct conditions.	

#### Revision Date: Sep 2024

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Aqua Aero Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Aqua Aero quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products, no other warranty or guarantee of any kind is made by Aqua Aero, express or implied, statutory, by operation of law, or otherwise, including merchantability and fitness for a particular purpose.

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