







Product Information Sheet

Aqua Aero Multi Coat

Aqua Aero Multi Coat is a voc-free top coating for HVAC&R equipment. The product properties combine an extreme chemical resistance with adhesion to all substrates including powder coating. The coating builds a layer that is resistant up to C5-M environments for the complete and assembled HVAC&R unit.

	<p>Characteristics</p> <p>Aqua Aero (AA) Multi Coat is a water-based coating system that gives a life time corrosion protection of the complete HVAC&R unit including piping, fasteners and grids. The coating must be applied by spraying inside an OEM plant or to installed HVAC&R units on location. AA Multi Coat is available in a clear versus suitable to overcoat stickers handles and hinges. The coating can be applied at any site without ESH restrictions, compliant to the AQMD regulations in California since AA Multi Coat is REACH and ROSH compliant.</p>								
	<p>Components</p> <p>AA Multi Coat is a multiphase, self-crosslinking acrylic dispersion with excellent adhesion properties to multiple substrates. Well balanced but proprietary additives are added to establish C5-M exposure conditions, fire and smoke retardants and UV A, B and C resistance. The typical properties show adhesion and full corrosion resistance to powder coat, copper, galvanised sheet, stainless steel and aluminum substrates.</p>								
	<p>Test Specifications</p> <table border="1" data-bbox="248 1218 1469 1411"> <tr> <td>Immersion ISO 2812-2</td> <td>> 1.000 hrs</td> </tr> <tr> <td>ASTM B117 on Q-Panel</td> <td>> 20.000 hrs including AA Coil 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 aluminum, powdercoat, copper and galvanised steel</td> </tr> </table>	Immersion ISO 2812-2	> 1.000 hrs	ASTM B117 on Q-Panel	> 20.000 hrs including AA Coil Coat	UV-resistance ISO 16474-2	> 1.000 hrs	Cross Hatch ISO 2409	GT 0 / 5B aluminum, powdercoat, copper and galvanised steel
Immersion ISO 2812-2	> 1.000 hrs								
ASTM B117 on Q-Panel	> 20.000 hrs including AA Coil Coat								
UV-resistance ISO 16474-2	> 1.000 hrs								
Cross Hatch ISO 2409	GT 0 / 5B aluminum, powdercoat, copper and galvanised steel								
	<p>Drying Times</p> <p>Drying times substrate 20°C / 68°F</p> <table border="1" data-bbox="248 1518 1469 1668"> <tr> <td>Touch dry after</td> <td>10 - 20 min</td> </tr> <tr> <td>Dry to handle after</td> <td>20 - 60 min</td> </tr> <tr> <td>Fully cured</td> <td>7 days</td> </tr> <tr> <td>Color</td> <td>On request</td> </tr> </table>	Touch dry after	10 - 20 min	Dry to handle after	20 - 60 min	Fully cured	7 days	Color	On request
Touch dry after	10 - 20 min								
Dry to handle after	20 - 60 min								
Fully cured	7 days								
Color	On request								
	<p>Coverage</p> <p>10 m2 per liter / 814 sqft per gallon</p>								
	<p>voc</p> <p>Volatile Organic Compound: < 30 grams per liter</p>								















**100%
green
footprint**



**100%
water
based**



**100%
pure
quality**

	Spray Viscosity	At 20°C / 68°F: RFU: 30 - 60 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: 40 - 50 µm / 1,6 - 2,0 mil
	Flash off	10 - 20 min
	Process Application	Certified applicators only
	Surface Treatment	
	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	Powdercoat, Cleaning, Drying, AA Coil Coat, AA Multi Coat for High- and Extreme-Tier	
	Instructions for Use	
	Check Temperature of Equipment, Surrounding and Coating to exceed 15 - 35°C / 59 - 95°F. Mechanically mix the coating until all pigments are uniformly dispersed. Allow products to adjust to surrounding temperature. Use Scotch-Brite medium to prepare powder coated surfaces. Add 5-15% clean water to reach the required spraying viscosity.	
	Application Conditions	
	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. Protect application area from high temperatures and sand, dust and dirt 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 1.1 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

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.

