

# PRODUCT INFORMATION SHEET

Aqua Aero Coil Coating II is a European engineered heat exchanger coating for Pacific conditions. Without interfering the capacity, Aqua Aero Coil Coating II provides a long-lasting protection against corrosion.



**HAWAII COATING** LLC

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(808)-599-0931



## Characteristics

Aqua Aero (AA) Coil Coating II is a one-component metallic impregnated modified acrylic coating especially developed for Hawaii Coating. A 15% contents of aluminium flakes establishes heat conductivity with negligible interference of the pressure drop. These coatings have a proven track record in specific corrosive conditions, with high humidity and chemical pollution environment. AA Coil Coating II is applied by high pressure spraying, that ensure a total coverage of the aluminium copper interface, preventing galvanic action or dissolving of the aluminium fin.



## Components

AA Coil Coating II is a one-component resin based high solid enforced modified acrylic. The coating is water based and compliant to all ESH regulations. The finished product establishes a combination of smoothness, chemical resistance, flexibility and ease of application, which are required for HVAC&R equipment before installation. AA Coil Coating II can be applied at on site rejuvenation jobs and in-house application.



## Specifications

15.000 hours ASTM B-117  
3.120 hours G 85 (SWAAT)  
80 cycles of Kesternich



## Surface conditions

Aluminum fin surface	Cleaning, Conversion, Drying, Aqua Aero Coil Coating II
Copper headers	Cleaning, Etching, Drying, Aqua Aero Coil Coating II
Copper fins	Cleaning, 5% phosphoric acid, Rinsing, Drying, Aqua Aero Coil Coating II, two layers
PreCoating	Cleaning, Drying, Aqua Aero Coil Coating II
MCHX	Steamclean, 5% phosphoric acid, Aqua Aero Coil Coating II



## Instructions for use

Mechanically mix the coating until all pigments are uniformly dispersed.  
Allow products to acclimatize before use.  
Add 15% clean water to meet the required spray viscosity.

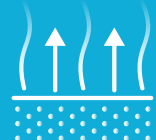
## Product Application

Spray viscosity //  
21 °C / 70 °F / RFU 24  
sec ISO din cup 4 mm

Potlife  
N/A

Dry Film  
Thickness // at 25 °C /  
1-1,2 mil

Flash off //  
30 min



**Hawaii Coating**

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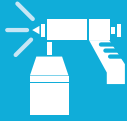


## Application conditions

Temperature: 15 - 35 °C / 59 - 95 °F

Relative Humidity: <95%

Application condition limits are sensitive: higher temperatures and forced air will speed up the drying times.



## Equipment

Air Assisted: 1,2 - 1,4 Ø (mm)

Nozzle angle: 20°



## Application

Factory certified applicators only.



## 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 in a closed container.



Drying times substrate 21 °C / 70 °F 40 °C / 104 °F

Touch dry after 20-30 min 10-15 min

Dry after 45-60 min 30 min



Color Black

Density 1.05 kg/ ltr

Flashpoint > 37 °C / 99 °F



Coverage 20 m2 // ltr  
777 sqft // gallon

## VOC

Volatile Organic Compound 30 grams per liter after dilution.



## Physical Properties

Store the product in a dry place at temperatures between 10 - 30 °C / 50 - 86 °F.

Stored in original closed containers only.

Shelf life is 12 months if stored under the right conditions.

### FOR PROFESSIONAL USE ONLY

**IMPORTANT NOTE** The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given is subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.



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