



















Product Information Sheet

Aqua Aero Clean-N-Etch

A single step pre-treatment for RTPF and MCHX coils. The pretreatment is suitable for aluminum, copper, galvanic and powder coated substrates to remove process oils and as an adhesion promotor for all metals in one. AA Clean-N-Etch is designed to remove process oils and at the same time acts as an adhesion promoter to all metals used in manufacturing HVAC&R equipment by etching the substrate.

	Characteristics AA Clean-N-Etch is a concentrated mixture of acids and detergent. The Clean-N-Etch is dissolving process oils that are left on the coils during fin stamping. In case non-evaporative oils or other heavy duty oils are used in the fin stamping process, the Clean-N-Etch dilution ratio must be increased. The Clean-N-Etch application combines etching and degreasing and adhesion promoter, suitable for various metals: aluminum, copper and galvanic steel. After treatment rinse with regular unpolluted tap water.								
	Components AA Clean-N-Etch is a transparent lightly smelling water solution. The acid concentration is set to dissolve the most common used process oils in the fin stamps. The best working is at a dilution 1:20 from a high-pressure cleaner at 60-70°C.								
	Test Specifications <table border="1"> <tr> <td>ASTM B-117</td><td>15.000 - 20.000 hrs including AA Coil Coat and AA Multi Coat</td></tr> <tr> <td>Cross Hatch</td><td>GT 0 rated including AA Coil Coat</td></tr> <tr> <td>UV A</td><td>1.000 hrs including AA Coil Coat</td></tr> <tr> <td>Flexibility ISO 1519</td><td>No defects including AA Coil Coat</td></tr> </table>	ASTM B-117	15.000 - 20.000 hrs including AA Coil Coat and AA Multi Coat	Cross Hatch	GT 0 rated including AA Coil Coat	UV A	1.000 hrs including AA Coil Coat	Flexibility ISO 1519	No defects including AA Coil Coat
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	Drying times before coating Drying times substrate 20°C / 68°F <table border="1"> <tr> <td>20 °C / 68 °F</td><td>Rinse after 5 - 10 minutes, Remove water drops leave ten minutes redo, ready</td></tr> <tr> <td>40 °C / 100 °F</td><td>Rinse after 5 - 10 minutes, Remove water drops leave ten minutes redo, ready</td></tr> </table>	20 °C / 68 °F	Rinse after 5 - 10 minutes, Remove water drops leave ten minutes redo, ready	40 °C / 100 °F	Rinse after 5 - 10 minutes, Remove water drops leave ten minutes redo, ready				
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	Coverage 4 m2 per ltr based on a 4-row RTPF coil (faced area) 41 sqft // gallon based on a 4-row RTPF coil (faced area)								
	voc Volatile Organic Compound: NA								

	Mixing ratio	5 - 6%
	Potlife	N/A
	Dry Film	N/A
	Flash off	As soon as the water has evaporated
	Process Application	Certified applicators only
	Surface Conditions	
	Aluminum	Clean-N-Etch, wait max 5 - 10 minutes, Rinse
	Copper	Clean-N-Etch, wait max 5 - 10 minutes, Rinse
	Galvanized steel	Clean-N-Etch, wait max 5 - 10 minutes, Rinse
	Pre Coated fins	Clean-N-Etch, wait max 5 - 10 minutes, Rinse
	Instructions for Use	
	Apply the Clean-N-Etch with a hot water high-pressure washer at 60 - 70°C. Soak for 2-5 minutes. Rinse thoroughly. After application the drops on both the headers and the fins must be removed with compressed air at around 4 bars, before coating. Wear acid gloves, goggles and an overall. Remove immediately from skin, at spoiling in eyes remove with eye washer and seek medical attention.	
	Application Conditions	
	Temperature	5 - 45°C
	Relative Humidity	< 100%
	Tooling	High-pressure washer with hot water and separate chemical tank.
		Soft brush
		Clean bucket
		Pressure pot
		Gravity gun
	Cleaning	
	Flush all equipment with clean water after use.	
	Transport	Density 1.005 kg/ ltr
		Special Transport requirements See SDS
	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 24 months if stored under the right conditions.	

REVISION DATE: January 2025

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