

AQUA AERO MULTI COAT CLEAR

PRODUCT SPECIFICATION SHEET

Product Characteristics

Aqua Aero (AA) Multi Coat Clear is a coating system that provides corrosion resistance suitable for C5 High Regime to protect full aluminum microchannel and round tube plate fin coils, components, fasteners, grids and enclosures in these severe corrosive exposures. The coating can be applied to all substrates and adds protection to the full AC unit. Without any smell or environmental restrictions, AA Multi Coat Clear can be applied to HVAC&R units inside an OEM plant, before installation or to installed HVAC&R units. The product is designed in cooperation with leading OEM manufacturers and global customers to comply with their zero-emission footprint and non-hazardous off-gas emission statements. Aqua Aero is applied by 60+ applicators over the world to industrial, residential and commercial exchanging equipment, installed in extreme corrosive conditions.

Product Components

AA Multi Coat Clear is based on modified acrylic waterborne binders with high elongation properties. AA Multi Coat Clear is based on self crosslinking acrylic binders to achieve extreme corrosion resistance. High quality additives are added to establish heat transfer, chemical resistance and UV-blocking properties.

Product Application

Aqua Aero Multi Coat Clear is suited for application to the complete AC unit, aircoolers, AHU, rooftops, residential equipment. Aqua Aero licenses and trains their global applicators to ensure compliance to the operational and quality manuals.

Test Reference	Title	Document Reference	Rating
ASTM B 117	20.000 hrs AL	LAB 20 410 REP*	20.000 hrs
ASTM B 117	10.000 hrs on powdercoat	2018450086	10.000 hrs
ASTM B 117	3.000 hrs on coil	VDP-NSA-ZAC-202303	3.000 hrs
ISO 12944-6	C5 High Regime	R230210*	✓
ISO 870	Water Immersion Al	VDP-WIM-AA-202309	1.000 hrs
ISO 870	Water immersion Cu	VDP-WIM-AA-202308	1.000 hrs
ISO 870	Water Immersion Powdercoat	VDP-WIM-AA-202309	1.000 hrs
ASTM G-85-3	SWAAT > 5.000 hrs	R23017*	> 5.000 hrs
COT lab	H2S test	v	✓
ISO 6860	Flexibility Mandrel	VDP-CMT-AA-202305	< 1%
ISO 1520	Flex, stretch Cupping test	VDP-ECT-AA-202303	pass 1/4 inch
ASTM 3359	Cross Hatch adhesion Al	VDP-CHT-AA-202303	✓
ASTM 3359	Cross Hatch adhesion Cu	VDP-CHT-AA-202309	✓
ASTM 3359	Cross Hatch adhesion Powdercoat	VDP-CHT-AA-202308	✓
ISO 2813	Gloss Rate retention	VDP-GLO-AA-202301	85° sustains after SST
ISO 16474	UV A, C	2021140021 / 2022310012*	1.000 hrs

*These tests are conducted with Aqua Aero Coil Coat on aluminum substrate.