

WB-506 22,000 HOUR SALT SPRAY TEST REPORT

Report: Testing Heresite's WB-506 waterbased air-dry coating in Salt Spray Test according to ASTM B117 during 22,000 hours

Salt Spray Test Standard: ASTM B117 (Standard Practice for Operating Salt Spray [Fog] Apparatus)

Client: Heresite Protective Coatings
822 S. 14th Street
Manitowoc, WI 54220

Specimens: One aluminum panels coated with Heresite WB-506

Loading Date: July 8th, 2022

Test End Date: February 5th, 2025

Exposure Period: 22,000 hours

Type of Salt Fog Solution: Prepared 5% Salt Solution from Metalline Corporation certified to be compliant with ASTM B117

Temperature of Salt Spray Chamber: $35 \pm 2^{\circ}\text{C}$ ($95 \pm 3^{\circ}\text{F}$)

Position of Specimen(s) during Exposure: $25 - 30^{\circ}$ from the vertical

Fog Collection Device: Plastic funnels with a diameter of 10 cm (area of about 80 cm²), with the stems inserted into graduated cylinders

Collected Volume (ml/hour): 1.0 to 2.0

Specific Gravity: 1.03 at 25°C (77°F)

pH: 6.5 – 7.2

Scribe: Approximately four-inch-long scribe in center of panel made, starting approximately one inch from each end. Scribe made with pencil type scribe tool (ASTM D1654 #5.1.2)

Cure Time: Three weeks from date of application at ambient temperatures $20-25^{\circ}\text{C}$ ($68-77^{\circ}\text{F}$).

Examination Procedure: Test specimens were visually examined within 15 minutes of removal from salt fog chamber. Test specimens were evaluated at the end of the test by being rinsed and scraped under running water with spatula, then dried with 30 PSI compressed air (ASTM D1654, #8.1.1, #8.1.4). Results were reported in millimeters from scribe and degree of blistering (ASTM D714).

Test Results

SI No	Test Period (hours)	Blisters from Scribe (mm distance)	Blisters in Field (ASTM D714)	Scribe Creepage (mm distance)
1.	0	0	0	0
2.	22,000	0	F8	1 (rate of 8 per ASTM D1654)

Photos of Specimens - After 22,000 hours of Exposure

After

Prepared By:

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