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SALT SPRAY TEST

Williams Brothers
Attn: Marcus Williams

Front Royal, VA 22630

Date: July 11, 2025
Author: Jim Clark
Report Number: ESP044666P.1R0
Purchase Order Number: Signed Quote
ESP0135402Q

Williams Brothers
Corporation of
America

Respectfully submitted,

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Product Evaluation Technician
Product Testing Department

Reviewed By,

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F:\2025 PROJECTS

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INTRODUCTION

This report presents the results of a salt spray test conducted on one door sample. Marcus Williams of Williams Brothers submitted the samples to our laboratory.

OBJECTIVE

The scope of work was limited to conducting a 48-hour salt spray exposure test in accordance with ASTM B117 - 19 on the samples submitted and providing a report on the results. The exposure was completed on July 11, 2025.

SAMPLE IDENTIFICATION

One (1) Door; 9 5/8" x 9 5/8" nominal dimensions.

See photo page 3.

TEST METHOD

The test exposure was conducted in accordance with ASTM B117-19. The sample was exposed for the duration of the 48-hour exposure in Auto Technologies Salt Spray Chamber No. 5 Asst # PT 165-034 (calibrated 03-04-2025, due 03-04-2026) under the following conditions:

Test Media:	5% Salt Solution
Cabinet Temperature:	94 to 96°F
Fog Collection Rate:	1.2 to 1.4 ml/hr
Specific Gravity:	1.038 to 1.039
pH Range:	6.8
Tower Temperature:	112 to 113°F
Pressure:	12½ psi

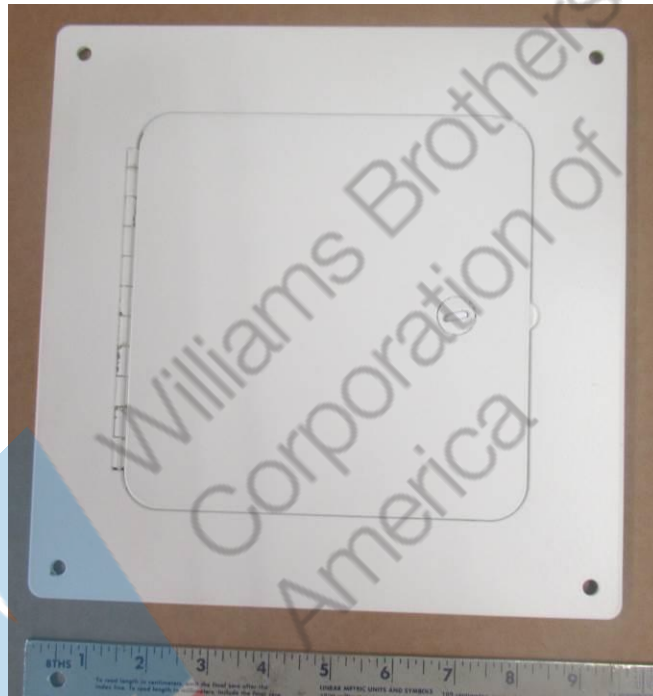
CONCLUSIONS

Slight red rust on edges observed after 48 hours of exposure.

See photos pages 4 - 6.

PHOTOGRAPHS

Initial



As received



Orientation in chamber

PHOTOGRAPHS

48 hours



PHOTOGRAPHS

48 hours



PHOTOGRAPHS

48 hours

