



Wind-Lock Ruspert Salt Spray Test Test Report

SCOPE OF WORK:

This report documents the salt spray performance of the HiLo Exterior Insulation Screw with Silver Ruspert Coating.

REPORT NUMBER

6037.22

TEST DATES

08/19/2022 - 11/11/2022

ISSUE DATE

12/07/2022

COMPLETED BY

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SECTION 1

MATERIALS

TESTING MATERIALS

- Wind-Lock #8 x 2" HiLo Exterior Insulation Screw with Silver Ruspert Coating

TESTING EQUIPMENT

- Salt fog chamber

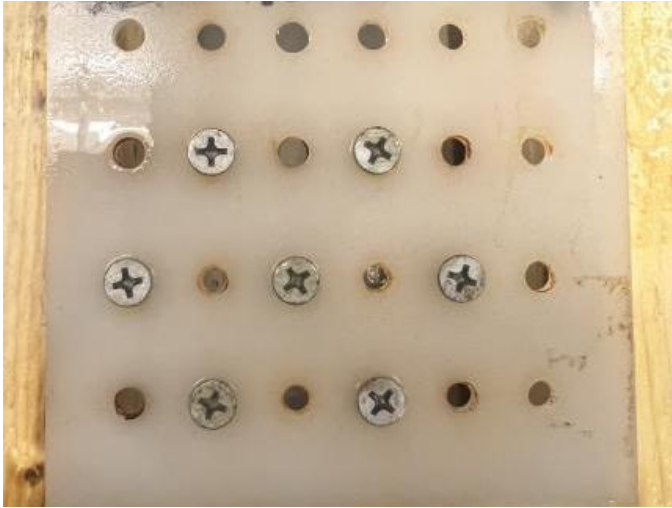
SECTION 2

TEST METHOD

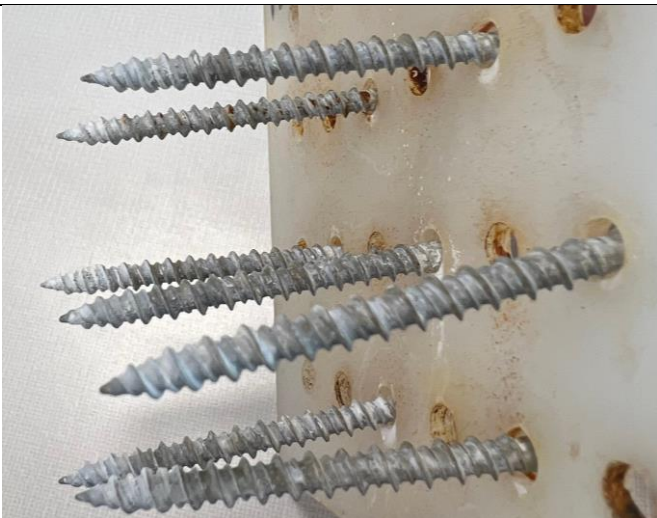
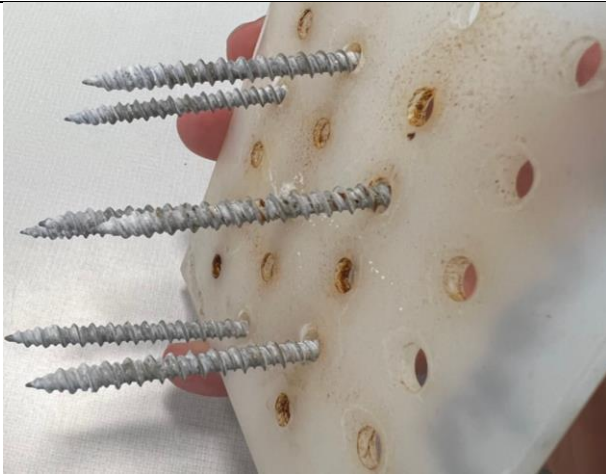
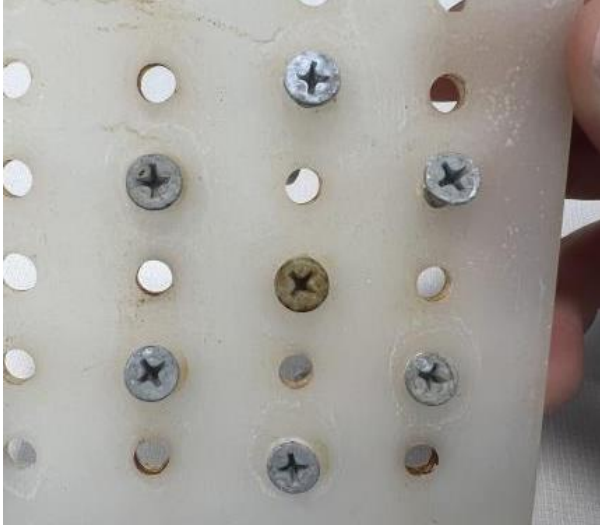
Testing Per ASTM B-117

SECTION 3
RESULTS (Salt Spray)

1000 Hours



2000 Hours



SECTION 4

OBSERVATIONS & CONCLUSION

Parts were placed in the salt spray chamber and checked in 24 hour increments. The first visual change occurred at 1000 hours. At 1000 hours, there was visible white oxidation on the threads and heads of the fasteners. Fasteners remained at this status with the next change occurring at 2000 hours. At 2000 hours, red rust was present on the threads and the heads of the Wind-Lock parts.

SIGNIFICANCE & USE

This practice provides a controlled corrosive environment which has been utilized to produce relative corrosion resistance information for fasteners exposed in the given test chamber. All samples were from the same manufacturing batch. SFS specifications cover the material for 1000-hour per ASTM B-117. Appropriate safety factors should always be utilized in design and other possible failure modes should also be considered.