
L A B O R A T O R Y R E P O R T

REPORT #: 60107

TITLE: SALT FOG RESISTANCE OF ENESEAL CR

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INTRODUCTION:

This report describes the corrosion resistance properties of ENESEAL CR as determined by a salt fog exposure test. The test compared the corrosion resistant properties of the subject coating to the corrosion resistant properties of a "control" coating and uncoated steel, subjected to the same high humidity salt atmosphere.

CONCLUSION:

ENESEAL CR exhibited significantly superior corrosion resistance, in multiple tests, as compared to the control product, referred to as "Product N" and uncoated carbon steel.

TESTING:

Steel test panels were partially coated with either ENESEAL CR or Product "N" or both. A small section of each of the test panels was left uncoated for corrosion resistance comparison purposes

The coating on each of the test panels was scribed with an X approximately 1/16 inch wide and 2 inches long to expose the steel panel through the coating.

The test panels were placed in a high humidity, salt-rich atmosphere at 75 °F. They remained in this environment continuously for the listed length of the test.

At the end of the exposure period the scribed X in each coating was visually compared to the other coating and the uncoated portions of the test panel for degree of rusting.

RESULTS:

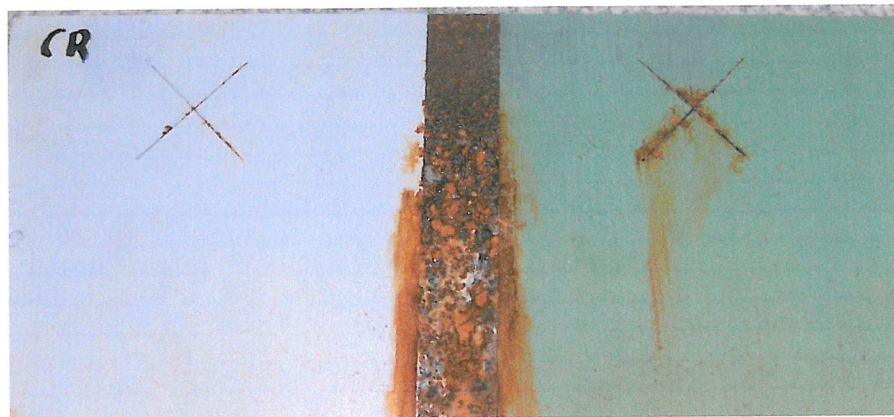
The results of this testing are shown in the photos below.



ENESEAL CR

Uncoated Steel
2000 Hours Exposure

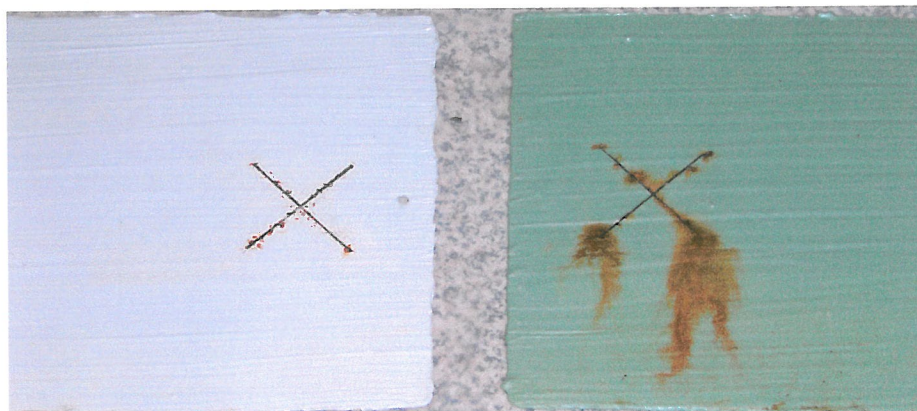
Product "N"



ENESEAL CR

Uncoated Steel
2200 Hours Exposure

Product "N"



ENESEAL CR

2000 Hours Exposure

Product "N"

DISCUSSION:

The two products that were used in this test, ENESEAL CR and Product "N", are both elastomeric acrylic latex polymer coatings designed to retard new or continued rusting of carbon steel on structures such as bridges, buildings and equipment. Product "N" is manufactured by a well known corrosion resistant coatings manufacturer in the United States. Product "N" is considered by various municipal; bridge authorities and contractors to be an effective corrosion resistant coating for bridge coating and bridge coating repair.

All test panels indicated that ENESEAL CR provided superior corrosion resistance to Product "N" and unprotected carbon steel.