
LABORATORY REPORT

REPORT #: 62216
TITLE: WEATHERING RESISTANCE OF ENESEAL CR UPDATE
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INTRODUCTION:

This report updates the weather resistance properties of ENESEAL CR as determined by a natural weather exposure test (ASTM G 7). The test compares the weather resistant properties of the ENESEAL CR coating after approximately 9 years of continuous weathering to a "control" un-weathered test panel of ENESEAL CR.

CONCLUSION:

ENESEAL CR that has been exposed to 9 continuous years of northeast United States coastal weather shows little or no difference in appearance to un-weathered ENESEAL CR other than some rust staining from adjacent rusting steel and a slight reduction in gloss.

TESTING:

One set of steel panels were coated with ENESEAL CR completely. The coating on these test panels were scribed with an X approximately 1/16 inch wide and 2 inches long to expose the steel panel through the coating.

Another set of steel panels were partially coated with ENESEAL CR so a small section of the test panels on the top and bottom were left uncoated.

One of the test panels from each of these sets was placed on an outside test fence in Long Island NY. They remained exposed to the weather continuously for approximately 9 years.

The other test panel from each set was stored continuously in the ENECON laboratory without exposure to the outside environment,

Before comparing these panels the test fence panels were washed and dried and then visually compared to the duplicate un-weathered panels.

RESULTS:

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



DISCUSSION:

ENESEAL CR is an elastomeric acrylic latex polymer coating designed to inhibit the rusting of carbon steel on structures such as bridges, buildings and industrial equipment. It is also designed to have exceptional weathering resistance.

The weathered test panels pictured above did not show any signs of blistering, under-film corrosion, shrinkage, cracking, embrittlement or mold / fungus growth. Also the exposed steel from the scribed X exhibited little or no rusting.

Both exposed test panels indicate that ENESEAL CR has excellent long term resistance to rusting, weathering and UV attack.