



How does Eck® work?

Eck® was engineered to prevent dissimilar metal corrosion that always occurs when you fasten dissimilar metals together, such as aluminum and steel. It creates a barrier between the two metals and uses zinc dust and zinc powder as the sacrificial metal.

How do I use Eck®?

Simply spray or brush Eck® on the two different metals being assembled. Spray or brush onto nuts, bolts, rivets, etc. & any holes.

Is Eck® safe to use?

Yes. Eck® comes in brushed liquid & aerosol forms. Eck® has been tested by an independent laboratory and found to be well above both the OSHA and ACGIH standards.

Does Eck® work on all metals?

Yes, Eck® will prevent Electrolysis and Galvanic Corrosion with all metals.

Can Eck® be used with electrical connectors?

Yes, Eck® can be used to prevent corrosion on electrical connections. It works as a Dielectric-Grease with corrosion preventing ingredients.

What is unique about Eck®?

Eck® has been engineered to never dry. It will set up and become tacky in about 15 minutes. This is of great benefit because it won't dry, crack, and fall off.

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Test Results

Eck® has been rigorously tested in the field, as well as in the lab. Lab results show Eck® successfully passing a 4,000 hour test. Pictures and other information are available upon request.

A sample was submitted to a salt spray fog in accordance with ASTM methods. The test was continuous, only interrupted by brief periods of inspection and replenishment of salt spray tanks as allowed by the standard. Solution samples and temperature readings were taken daily.

E-ONE / DUPONT ASTM-B117 (SALT-SPRAY LAB TEST)

E-One and its paint supplier DuPont administered a 1,000 hr. ASTM-B117 Salt-Spray lab test to determine if Eck® could out-perform their production's current method of preventing electrolysis on their builds. Four compartment doors were fabricated and assembled by the Fire Apparatus manufacturer. The first compartment door was assembled with a combination of Eck®, Tef-Gel, and no corrosion preventing coating. The second panel was assembled without any corrosion preventative. The third panel was assembled with our Eck® coating. The fourth panel was assembled with Tef-Gel (a product E-One was using). The final results show how the Eck® applied areas showed no reaction during the lab generated environments.

PPG INDUSTRIES - ASTM-B117 (SALT-SPRAY LAB TEST)

PPG Industries - Delaware, OH administered a 1,000 hr. ASTM-B117 Salt-Spray lab test to evaluate corrosion protection to assist some key accounts with manufacturing commercial vehicles. Two different types of test panels were fabricated for testing. The first panel was a flat aluminum surface with a small compartment door assembled with rivets. The second was a steel post with an aluminum swing door assembled together with a hinge and bolts. Two sets of test panels were made from each of these, one assembled with no Eck® and the second assembled with Eck® in-between the dissimilar metals and on the bolt threads or rivets. After a 1,000 hrs test, the panels were pulled and examined. The final results proved that Eck® significantly protected the dissimilar metals and showed no signs of corrosion.

GREAT DANE TRAILERS - ASTM-B117 (SALT SPRAY LAB TEST)

Great Dane Research & Development Lab administered a 250 hr. ASTM-B117 Salt-Spray lab test to review two different types of material used in preventing corrosion. The first product, Mylar Tape, is a sticky plastic tape used to separate dissimilar metals by lying in-between the dissimilar metals. The second product, Eck® Corrosion Coating, is a coating applied into drilled holes, on bolt or fastener threads, and in-between any flat surface of the dissimilar metals in order to separate the metals and protect against corrosion. These two products were applied to two separate test panels. The test panels were assembled with a solid piece of steel and a solid piece of aluminum bolted together with steel bolts. Panel (A) used Mylar Tape and panel (B) used Eck® Corrosion Coating.

SEYMOUR OF SYCAMORE, INC. - ASTM-B117 (SALT SPRAY LAB TEST)

Seymour of Sycamore administered a 400 hr. ASTM-B117 Salt Spray (Fog) test to review Eck® Corrosion Coating. The panels were aluminum with stainless steel hinges and bolts. Three of the panels fitted with hardware used no protection, while the other three used Eck®. After 400 hrs. of exposure, the panels were taken out of the salt spray cabinet, washed with water, and the fasteners were loosened. The hardware was then evaluated. Eck® drastically reduced or stopped the galvanic corrosion of the stainless steel hinges and fasteners with the aluminum panel.

Documents available upon request