

ecomère Coating

Abrasion & Impact Tested

<p><u>The Tests:</u></p> <p>ASTM D2794-93 (2010) EPRI This test involves a 1 lb. weight, dropped from increasing heights onto a punch that rests on top of the coating. Pursuant to each drop, a holiday test was performed. The EPRI test height goes up to 48".</p>	<p><u>The Conditions:</u></p> <p>EPRI tested ecomère at the beginning to establish a benchmark...</p> <p>and then tested after a minimum of 1,440 hours cyclic salt spray (SAE J2334)...</p> <p>and again after 3,000 hours of UV testing (ASTM G154-06 & G151-00).</p>		<p><u>The Results:</u></p> <p>ecomère passed with no holidays reported.</p> <p>ecomère passed with no holidays reported.</p> <p>ecomère passed with no holidays reported.</p>
<p>ASTM D1654-05 EPRI A scribe, or stylus, is used to cut through the coating to the substrate prior to cyclic salt spray testing. After the spray test has concluded, any corrosion, blistering, undercutting due to corrosion or rust creepage is measured.</p>	<p>The scribe cut through 60 to 125 mil thick ecomère coating.</p>		<p>After cyclic salt spray testing and exposure to soil stress, ecomère passed the test. There were no reports of blistering, loss of adhesion, or rust creepage at the site of the cut.</p>
<p>ASTM D6677-01 TEC Services – Atlanta, GA A knife is used to make an X cut in the coating, down to the substrate. The knifepoint is then used to pry the coating loose. Ratings are from 0 to 10, with 10 being the best result (less than a square 1/32 of an inch pries loose)</p>	<p>An X cut was made through a 60 to 90 mil thick ecomère coating.</p>		<p>ecomère scored perfect 10s, three times.</p>
<p>HVLI 12 Test – Ovante Labs A 185 mil sheet of ecomère, less than an hour after it was cured, was subjected to approximately 400 2.29 mm steel pellets discharged at 1,255 feet per second, from the following distances:</p>	<p>Distance</p> <p>75 feet</p> <p>60 feet</p> <p>45 feet</p>	<p>Penetration</p> <p>< 1%</p> <p>< 4%</p> <p>< 10%</p>	<p>Surface – Front (Back)</p> <p>Dimpled (No Change)</p> <p>Dimpled (Slight discoloration, 2 spots)</p> <p>Dimpled, 2 embedded pellets (4 exposed pellets, 4 discolored spots)</p>