

- 4119 White Bear Parkway, St. Paul, MN 55110 USA
- Phone (651) 429-1100, Fax (651) 429-1122
- Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com

Internet http://www.cortecvci.com

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Evaluating Various Protection Methods for Copper Tubing from Erico International

 After cleaning, the following a. One rod was set asid b. One rod was packag c. One rod was packag d. Two rods were dipported e. Two rods were dipported f. Two rods were pack After treatment, all rods were Parts were then placed in AS² All parts were visually inspected 	with methanol prior to testing. treatments were used: le as a control. ed in unknown light blue film. ed in Armor VCI film. ed in Baracoat liquid. ed in VpCI-316 liquid. aged in VpCI-126 blue film. allowed to sit overnight. TM D-1748 humidity cabinet.	
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STM D-1748 Humidity Cabinet		
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	ecialty metal products serving g ectrical, commercial and industr tico would like Cortec to examin ds. o compare the Baracoat liquid co e protection of copper. Addition other light blue film sent in by 1 STM D-1748 Humidity Cabinet ine copper rods, provided by Er	o compare the Baracoat liquid currently used by Erico International to VpCI-3 e protection of copper. Additionally, compare VpCI-126 to Armor VCI film a other light blue film sent in by Erico.





Treatment	Time to Failure (Hours)
Control	<24
Light Blue Film	72
Armor Film	72
Baracoat Liquid	<24
VpCI-316	168
VpCI-126	DNF*

*DNF – Did not fail during 500 hours of testing.

Conclusion: The use of Cortec product significantly improved corrosion resistance for copper rods from Erico International. The use of Cortec VpCI-316 liquid provided greater than seven times as much protection as the Baracoat liquid and more than twice as much protection as the two competitor films. VpCI-126 film provided protection for greater than the 500 hours of testing that was conducted.

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