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Evaluation of P.C.F versus CorrVerter

To: Customer

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Project #: 12-172-1525

Test conducted by:

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Approved by:

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Date: September 12, 2012



Background:

Evaluate Cortec’s rust conversion coating, (CorrVerter), versus P.C.F., distributed in Brasil

Method:

Salt Fog Test: ASTM – B117
Visual evaluation of films

Materials:

CorrVerter sample
P.C.F. sample
Cold rolled steel panels
Scribe tool
Salt fog chamber
Film thickness gage
Draw down bars

Procedure:

Coatings were prepared over CRS; using a #100 draw down bar to optimize film thickness consistency between coatings. Panels were then aged for one week, prior to being scribed and put into the salt fog chamber

Salt Fog Test results: ASTM B-117

Products	CRS	Creep	Blisters	Field Failure
CorrVerter	120 hrs	<1/32 in	Few fine #8	<1%
P.C.F.	120 hrs	<1/32 in	90% #6 / #8	>90%

Results relate only to the items tested

Photo:





Interpretations:

1. Based on the results from the Salt Fog Test; CorrVerter outperformed the P.C.F. product, conclusively.
2. P.C.F. is based on sulfuric acid, which is hazardous for people and environment. CorrVerter formulation is organic-based.