



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@corotecvci.com
Internet http://www.corotecvci.com

Comparing VpCI-325 and Ace Kote on Clutch Plates

Purpose: To compare the corrosion protection of Ace Kote to VpCI-325 on clutch plates from customer.

Method: ASTM D-1735 Water Fog Cabinet (100°F, ~95% relative humidity)

Materials: Clutch plates, provided by customer
VpCI-325

Procedure: The following procedure was used:

- 1) Two sets of clutch plates were sent by customer.
- 2) The first set was dipped in Ace Kote at customer's facility.
- 3) The second set was cleaned with methanol prior to testing.
- 4) After cleaning, the second set of clutch plates were dipped in VpCI-325.
 - a. The plates were allowed to air dry overnight.
- 5) Next, both sets of clutch plates were placed in ASTM D-1735 water fog cabinet.
- 6) Clutch plates were visually inspected periodically.
- 7) After 168 hours, clutch plates were removed from ASTM D-1735 testing.
- 8) Clutch plates were visually inspected and photographed.

Results: The following results were found:

Rust Preventive Used	Time to Failure (Hours)
Ace Kote	72
VpCI-325	DNF*

DNF – Did not fail in 168 hours of ASTM D-1735 testing.

Conclusion: VpCI-325 provided superior corrosion protection on clutch plates from customer, when compared to Ace Kote.

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From: Eric Uutala

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cc: Boris Miksic
Anna Vignetti



