

Evaluation of Four VCI Papers from Quimilock

Purpose: To test the four submitted papers for VCI properties.

Materials: Submitted paper samples (four different ones)

- Fuchs
- Zerust
- Propack VCI paper (new)
- Propack VCI paper (old)

Razor Blade Test Kit
VIA Test Kit

Method: Razor Blade Test
VIA Test

Procedure: The above tests were performed according to the standard procedures for each

Results: Razor Blade Test (carbon steel)

Material	Panel #1	Panel #2	Panel #3
Fuchs	Pass	Pass	Pass
Zerust	Pass	Pass	Pass
*Propack VCI paper (new)	Pass	Pass	N.A.
*Propack VCI paper (old)	Pass	Fail	N.A.
Control	Fail	Fail	Fail

*not enough sample was submitted for complete testing.

VIA Test

Material	Panel #1	Panel #2	Panel #3
Fuchs	Grade 2	Grade 2	Grade 1
Zerust	Grade 1	Grade 1	Grade 2
*Propack VCI paper (new)	N.A.	N.A.	N.A.
*Propack VCI paper (old)	N.A.	N.A.	N.A.
Control	Grade 0	Grade 0	Grade 0

*not enough sample was submitted for testing.

Nitrite: The Zerust paper has a very small amount of nitrite in it, but the other three papers don't contain any nitrite at all.



- Conclusion:**
1. As far as the Propack (new and old) paper, no conclusions can be made since there was not enough sample submitted to test for VIA, or even for a complete razor blade test. It did appear, however, that the old Propack paper would have failed the razor blade test though.
 2. The submitted sample of Fuchs VCI paper managed to pass both the VIA and razor blade test, but not with outstanding results, so the corrosion protection is only somewhat present.
 3. The submitted sample of Zerust paper did not pass the VIA test, but managed to pass the razor blade test; so this means that the contact protection is acceptable, but the vapor inhibition is limited.

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VIA Test Grades (Grade 2 or 3 are passing)

