

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

Examining corrosion inhibition of Suprabha Film

Background: Siddeshwar Inds. wanted the film manufactured by Suprabha

examined for the presence of corrosion inhibitors.

Purpose: Evaluate if Suprabha film will inhibit corrosion.

Materials: Carbon Steel Panels

Copper Panels

Suprabha film-5 mil Plain PE -5 mil Razor Blade test kit

Method: Razor Blade Test

FT-IR spectra

Procedure: For the above test all standard procedures were followed.

Results:

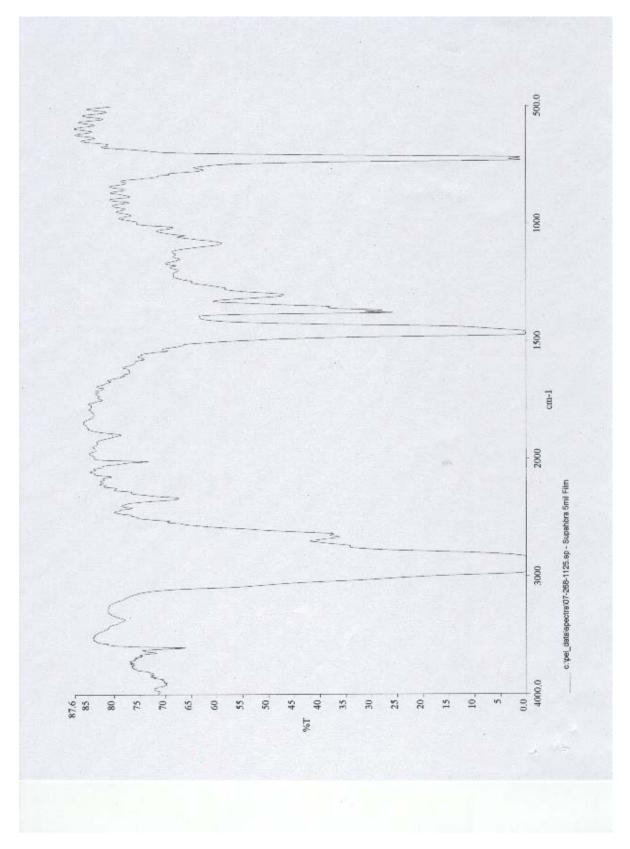
Razor Blade Test

Material	Thickness	Panel	Panel 1	Panel 2	Panel
	(mils)	Type			3
Suprabha Film	5	Carbon	Fail	Fail	Fail
		Steel			
Plain PE	5	Carbon	Fail	Fail	Fail
		Steel			
Suprabha Film	5	Copper	Fail	Fail	Fail
Plain PE	5	Copper	Fail	Fail	Fail





Conclusion: The test results determined that the Suprabha film did not inhibit corrosion on carbon steel and copper because it failed the tests. Based on FT-IR test results, Suprabha Film doesn't contain any corrosion inhibitors, or a very insignificant amount.



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