



APPENDIX A

TYPICAL VISCOSITY – DILUTION DATA – RUST ARREST
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%RUST ARREST	%SOLVENT ADDED	%NON- VOLATILE	BROOKFIELD VISCOSITY @ 77°F CPS	SPINDLE NUMBER @ RPM
100	0	62	45,000	6 10
81	19	50	11,000	3 10
65	35	40	3,000	3 10
48	52	30	800	3 10
32	68	20	150	3 10

TYPICAL SALT FOG PERFORMANCE DATA HOURS

RUST ARREST – yields firm wax like coating

Dry Film	Rust Arrest
0.5 mil	800+
1.0 mil	1500+
2.0 mil	2000+
5.0 mil	3000+

Salt Fog – Federal Standard 791B Method 4001.2. Panels are judged by reading the face of the panel (not the edges). Failure occurs when more than 3 dots of rust, no one of which is larger than a millimeter in diameter, appear on the face of the panel.

Note: Solvents with a boiling point between 310-340°F require a minimum of 72 hours of drying time prior to testing in the salt fog cabinet.



RUST ARREST DILUTION STABILTY

Values represent solvent separation in upper layer (ml/100ml)

Concentration	1 day	3 days	1 week	2 weeks	1 month	2 months	3 months
65	0	0	0	0	0	0	0
60	0	0	0	0	0	.7	.7
55	0	0	0	0	.6	1.4	2.2
45	0	0	.7	.7	.7	3.0	4.5
35	0	1.0	1.1	1.9	3.1	6.5	11.4
25	.7	1.1	1.5	2.2	4.5	9.0	13.5
10	.7	1.2	2.2	5.8	8.8	15.4	27.2

RUST ARREST DIP FILM (DRY) VS VISCOSITY & NON-VOLATILE

Rust Arrest

% Non Volatile

60%	45000 CPS / 40 MILS
50%	11000 CPS / 9.0 MILS
40%	2000 CPS / 2.5 MILS
30%	800 CPS / 0.9 MILS
20%	150 CPS / 0.2 MILS

ALL VISCOSITIES ARE MEASURED VIA BROOKFIELD VISCOSIMETER.

ALL FILM THICKNESS MEASURED BY "TOOKE INSPECTION GAGE".

Application to panel is accomplished in accordance with Fisher-Payne Dip Coater – Federal Standards 141a – Method 2121. Rate of withdrawal is 4" per minute. Not before 72 hours are the panels ready for exposure in the salt Fog and Humidity Cabinets.