CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2009

DateRun: 06/03/2009

Experimenters: Jason Marshall, Junhee Cho, Timothy Weil

ClientType: Cleaner Manufacturer

ProjectNumber: Project #1

Substrates: Wood

PartType: Coupon

Contaminants: Films

Cleaning Methods: Manual Wipe

Analytical Methods: Gloss-Color Meter

Purpose: To evaluate aerosol furniture polish on coated wood for gloss levels

Experimental Procedure: A Spectro Guide Gloss-Color meter from BYK Gardner was used to evaluate gloss. Maple coupons were first coated with two layers of Minwax fast drying urethane. When wood coupons were dried, baseline gloss readings of the surface were taken in five locations. An aerosol product was then sprayed onto the surface, wiped off with a cotton rag and gloss readings were taken again in the same five locations. The difference in gloss-color was then compared to determine effectiveness.

Results: Gloss readings were expected to increase after wiping the surfaces with the wood polishing formulations. That was only the case for one product, Amrep Misty A00136. The Aspire product had the largest change in gloss.

Product	Initial	Final	Delta	Ave Delta	Rank
A00133	12.96	15.03	-2.07		
	20.26	4.53	15.72		
	22.81	16.5	6.31	6.65	5
A00136	12.21	16.93	-4.71		
	23.13	17.84	5.29		
	12.42	17.12	-4.7	-1.37	1
Spartan Furniture Polish	22.81	11.33	11.48		
	14.73	11.01	3.72		
	12.35	12.73	-0.38	4.94	3
Claire Furniture Polish	11.15	10.64	0.51		
	14.43	5.6	8.82		
	11.85	6.38	5.47	4.94	3
Pledge Original	10.27	9.55	0.72		
	12.9	11.35	1.56		
	13.27	13.08	0.19	0.82	2

Larger Ave Delta = less shine

Summary:

Substrates:	Wood				
Contaminants:	Films				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Amrep Inc	Aspire Furniture Cleaner & Polish A00133 Aerosol	100	0.00	☐	Rank = 5
Amrep Inc	Misty Wax Polish A00136 Aerosol	100	0.00	☑	
Spartan Chemical Company	Premium Wood Polish - Aerosol	100	0.00	☑	Rank = 3
Claire Manufacturing	Multi-surface Furniture Polish Aerosol	100	0.00	☑	Rank = 1
SC Johnson & Son Inc	Pledge Lemon Clean Aerosol	100	0.00	☑	Rank = 2

Conclusion:

CLEANING LABORATORY EVALUATION SUMMARY

Amrep Aspire resulted in the least increase in gloss among the wood polish products. In fact it caused the gloss level to decrease.