CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2009
DateRun:	06/04/2009
Experimenters:	Jason Marshall, Junhee Cho, Timothy Weil
ClientType:	Cleaner Manufacturer
ProjectNumber:	Project #1
Substrates:	Glass/Quartz
PartType:	Coupon
Contaminants:	None
Cleaning Methods:	
Analytical Methods:	Timing
Purpose:	To evaluate aerosol furniture cleaners/polish cleaners for vertical adhesion to glass surface
Experimental Procedure:	A large glass window was cleaned using Green Works Glass Cleaner from Clorox to ensure uniform clean surface. Once dry each of the test aerosol products were sprayed for 1-2 seconds onto the surface. A timer was started to determine the time the cleaner took to travel 1 foot (30 cm). A second observation was made to see how much movement was achieved for the products for a total of 2 minute. At the end of 2 minutes the distance traveled by the product was recorded. For products that need more than 1 minute to travel the 30 cm, time will be recorded as greater than 2 minutes and receive a score of excellent. For products that run down the entire length of the window (4 feet) in less than the 2 minutes, the distance will be recorded as greater than 4 feet and will receive a score of poor.

Time rating	
120	Excellent
60	Good
30	Okay
15	Fair
<15	Poor
Distance rating	
<1	Excellent
1	Good
2	Okay
3	Fair
4	Poor

Results:

Product	Time for 1 foot	Rating	Distance in 2 minutes	Rating	
A00133	>2 min	1	7	2	
	>2 min	1	6	1	
	>2 min	1	8	2	
Product Average		1.0		1.7	1.3
A00136	1 min 2 sec	2	30	4	
	1 min 40 sec	2	17	3	
	1 min 40 sec	2	16	3	
Product Average		2.0		3.3	2.7
FURNITURE POLISH	40 sec	3	36	4	
		3	28	3	

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	47 sec				
	52 sec	3	25	3	
Product Average		3.0		3.3	3.2
CLAIRE FURNITURE POLISH	1 min 49 sec	1	17	2	
	1 min 43 sec	1	20	2	
	1 min 42 sec	1	19	2	
Product Average		1.0		2.0	
PLEDGE ORIGINAL	>2 min	1	0	1	
	>2 min	1	0	1	
	>2 min	1	2	1	
Product Average		1.0		1.0	1

Summary:

Substrates:	Glass/Quartz
Contaminants:	None

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Amrep Inc	Aspire Furniture Cleaner & Polish A00133 Aerosol	100	0.00	☑	Rank = 2
Amrep Inc	Misty Wax Polish A00136 Aerosol	100	0.00	☐	Rank = 4
Spartan Chemical Company	Premium Wood Polish - Aerosol	100	0.00	☐	Rank = 5
Claire Manufacturing	Multi-surface Furniture Polish Aerosol	100	0.00	☑	Rank = 3
SC Johnson & Son Inc	Pledge Lemon Clean Aerosol	100	0.00	☑	Rank = 1

Conclusion: The Amrep Aspire had the second-best ranking for vertical cling testing for furniture polish cleaners. Pledge received the best ranking.