CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2009
DateRun:	06/07/2009
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 dust mop treatment products 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	
A00811	> 2 min	1	8.25	2	
	> 2 min	1	5.25	1	
	> 2 min	1	5.5	1	
Product Average		1.0		1.3	1.2
A00810	> 2 min	1	0.5	1	
	> 2 min	1	4.25	1	
	> 2 min	1	4.75	1	
Product Average		1.0		1.0	1
SPARTAN DUST MOP/ CLOTH TREATMENT	> 2 min	1	0	1	
		1	3.5	1	

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	> 2 min				
	> 2 min	1	0	1	
Product Average		1.0		1.0	1
CLAIRE DUST UP	43 sec	3	19	3	
	1 min 27 sec	2	13	3	
	> 2 min	1	5.5	1	
Product Average		2.0		2.3	2.2
SWIFFER DUST N SHINE	> 2 min	1	0.25	1	
	> 2 min	1	0.75	1	
	> 2 min	1	0	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 Dust Mop Treatment A00811 Aerosol	100	0.00	☑	Rank = 4
Amrep Inc	Misty Dust Mop Treatment A00810 Aerosol	100	0.00	☑	Rank = 1
Spartan Chemical Company	Dust Mop-Dust Cloth Treatment Aerosol	100	0.00	☑	Rank = 1
Claire Manufacturing	Dust Up Floor Dressing & Dust Mop Treatment Aerosol	100	0.00	☑	Rank = 5
Procter & Gamble	Swiffer Dust & Shine	100	0.00	☑	Rank = 1

Conclusion:

Three products in the dust mop treatment category received the top score of 1.0 for the vertical cling test. The Amrep Aspire was a close fourth at 1.2.