CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2005

DateRun: 09/05/2005

Experimenters: Jason Marshall

ClientType: Environmental Service Firm

ProjectNumber: Project #1

Substrates: Wood

PartType: Coupon

Contaminants: Coatings

Cleaning Methods:

Analytical Methods: Light Meter

Purpose: To evaluate gloss for additional floor finishes.

Experimental Procedure: To determine the amount of “shine” the floor finishes created, baseline gloss readings were made on uncoated wood coupons. A SPER Scientific Light Meter 840021 measuring Foot Candles from the surface to represent gloss readings. Three readings were made for each coupon, in the middle, and at both ends. The three coupons that were to be coated with the same finish were then averaged and recorded as the product average baseline. The same procedure was followed to determine the finished coupon average after the three coats were applied and allowed to cure for 24 hours. The finished coupon average and the baseline average were then compared to determine the increase or decrease in gloss. Results for the Gloss readings were compared for the various floor finishes.

Results:

Initial	Light Meter Reading				
Coupon ID	Middle	End 1	End 2	Ave Light	Overall Ave.
A	7.27	7.08	8.08	7.48	6.72
B	7.31	6.59	7.51	7.14	
C	7.3	6.48	6.88	6.89	
D	6.29	5.76	5.77	5.94	
E	7.3	6.55	7.34	7.06	
F	6.74	6.26	7.03	6.68	
G	7.39	6.87	7.32	7.19	
H	5.92	5.26	6.28	5.82	
I	6.45	6.01	6.53	6.33	
J	6.64	6.21	7.18	6.68	7.02
K	7.21	6.76	7.07	7.01	
L	6.67	6.61	6.96	6.75	
M	6.75	6.5	6.64	6.63	
N	8	7.14	7.64	7.59	
O	6.74	6.51	6.31	6.52	
P	7.3	6.43	7.16	6.96	
Q	8.1	6.88	7.65	7.54	
R	7.51	7.25	7.59	7.45	
Final					
Coupon ID	Middle	End 1	End 2	Ave Light	Overall Ave.
A	9.18	8.74	8.63	8.85	8.99
B	9.47	9.75	9.01	9.41	
C	8.4	9.01	9.22	8.88	
D	8.76	9.26	8.84	8.95	
E	9.38	9.06	9.36	9.27	
F	9.03	9.03	9.38	9.15	
G	9.12	9.56	9.13	9.27	
H	8.21	9.01	8.35	8.52	

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I	8.83	8.38	8.76	8.66	
J	8.86	8.61	9.61	9.03	8.75
K	8.53	8.38	8.37	8.43	
L	7.82	8.13	8.45	8.13	
M	8.86	9.05	8.72	8.88	
N	9.21	8.91	9.01	9.04	
O	8.42	8.79	8.72	8.64	
P	8.64	8.56	8.05	8.42	
Q	9.64	9.62	9.42	9.56	
R	9.14	8.24	8.56	8.65	

Increase in Light Readings

	Initial	Final	Final - Initial
Lacquer	6.72	8.99	2.27
Primer + Lacquer	7.02	8.75	1.74

Summary:

Conclusion: In comparison, the Kiilto products resulted in the greatest increase in shine to the wood panels.