CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2014

DateRun: 07/07/2014

Experimenters: Jason Marshall, Loc Nguyen, George Liang

ClientType: Cleaner Manufacturer

ProjectNumber: Project #2

Substrates: Vinyl Composite Tiles

PartType: Coupon

Contaminants: Paints

Cleaning Methods: Manual Wipe

Analytical Methods: Gloss-Color Meter

Purpose: To analyze how affective it dulls the contaminant from the surface of floor tiles.

Experimental Procedure: Nine floor tiles were coated twice with latex enamel satin black colored. The coating was left to dry for a day before testing the ease of removability of the latex enamel from the floor tile with the chosen cleaner products. Each cleaner was given three coupons for testing. The cleaners were applied onto the coupons with a standard spray bottle with three sprays on each individual coupon and let soaked for fifteen minutes. After fifteen minutes of soaking the coupons were pat dried manually with a paper towel.

Results:

Cleaner	L*	L*	L*	Ave L*
TSP Liquid Substrate	25.59	25.99	1.56	1.25
TSP Liquid Substrate	25.45	25.79	1.34	
TSP Liquid Substrate	25.49	25.71	0.86	
TSP All Surface Paint Prep	25.57	27.40	7.16	30.4
TSP All Surface Paint Prep	25.56	28.58	11.82	
TSP All Surface Paint Prep	25.61	44.11	72.24	
Moldex Paint Prep	25.60	25.79	0.74	0.27
Moldex Paint Prep	25.61	25.55	-0.23	
Moldex Paint Prep	25.58	25.66	0.31	

Summary:

Substrates:	Vinyl Composite Tiles				
Contaminants:	Paints				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Savogran Company	TSP Substitute		0.00	☑	
EnviroCare Corporation	Moldex disinfectant concentrate		0.00	☐	

Conclusion: TSP All Surface was the most effective remover of the paint, but it also led to paint chipping on the tiles. Moldex paint prep and TSP liquid substitute did not exhibit significant dullness after a manual towel pat down.