CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2014
DateRun:	06/15/2014
Experimenters:	Ashwitha Rajagopal
ClientType:	Cleaner Manufacturer
ProjectNumber:	Project #3
Substrates:	Vinyl Composite Tiles
PartType:	Coupon
Contaminants:	Coatings
Cleaning Methods:	Mechanical Agitation
Analytical Methods:	Visual
Purpose:	Determine the relative rate of contaminant ease removal that has been aged on the surface with a cleaning solution.
Experimental Procedure:	This test method, ASTM D 1792, stimulates a uniform mechanical standard to properly utilize the solution. It does not standardized how much percentage of soil will be removed. Four VCT tiles were cleaned and applied with foil for again under 37 degrees Celsius for 3 days. The VCT tiles were cleaned using the Abrasion Tester. A scrubber was emerged into Meteor Floor Strip cleaner diluted to 12.5% with cold tap water previous to cleaning of the VCT tile for at least 1 minute. On the manual wipe, a constant pressure was applied on top of the silver cart as the machine is running. The first set of cycle on each VCT tile coupon is set to 1 cycle with the pad on the apparatus for manual wipe. After 1 cycle; each tile was manually cleaned with 50 increment wipes. After each 50 increments, two visual analysis were done on the tile. 50 cycles are performed until the tiles reach a 100% cleanliness in the visuals. Qualitative rating according to the following terminology: Removal Ease Number of Oscillations Required for Complete Removal Excellent <50 Good >50 but <100 Fair >100 but <200 Poor >200
Results:	After 50 cycles, the aged coating was nearly all removed. After the additional 50 cycles (100 total) the removability of the soil on the tiles was good. Soil Removal Table Visual Analysis:

Visual Analysis	VCT Tile 1		Tile 2		Tile 3		VCT Tile 4	
50 cycles	93%	95%	94%	96%	99%	98%	90%	90%
100 cycles	100%	100%	100%	100%	100%	100%	100%	100%

Summary:

Substrates:	Vinyl Composite Tiles				
Contaminants:	Coatings				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
New Dawn Manufacturing Company	Daycon Meteor Floor Stripper	12.5	0.00	☑	100 cycles

Conclusion: Meteor Floor Stripping 12.5% dilution is effective (Good) in removing finish off of aged VCT tile.