# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2014

DateRun: 05/13/2014

Experimenters: George Liang

ClientType: Cleaner Manufacturer

ProjectNumber: Project #3

Substrates: Vinyl Composite Tiles

PartType: Coupon

Contaminants: Coatings

Cleaning Methods: Manual Wipe

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 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 coating again under 37 degrees Celsius for 2 days. The VCT tiles were cleaned using the Abrasion Tester. A pad was emerged into a 12.5% dilution of Meteor Floor Strip cleaner 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, a visual analysis was done on the tile. Each manual wash on the tile is completed after 200 manual wash cycles.

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 the 200 cycles; the removability of the soil on the tiles was poor.

| Visual Analysis | VCT Tile 1 | VCT Tile 2 | VCT Tile 3 | VCT Tile 4 |
|---|---|---|---|---|
| 50 cycles | 73% removed | 37% removed | 20% removed | 20% removed |
| 100 cycles | 81% removed | 43% removed | 31% removed | 23% removed |
| 150 cycles | 87% removed | 50% removed | 35% removed | 32% removed |
| 200 cycles | 90% removed | 65% removed | 40% removed | 40% removed |

Summary:

| **Substrates:** | Vinyl Composite Tiles | | | | |
|---|---|---|---|---|---|
| **Contaminants:** | Coatings | | | | |
| **Company Name:** | **Product Name:** | **Conc.:** | **Efficiency:** | **Effective:** | **Observations:** |
| Fisher Scientific | Absolute Ethanol | 0 | 0.00 | ☐ | |
| New Dawn Manufacturing Company | Daycon Meteor Floor Stripper | 12.5 | 0.00 | ☐ | |

Conclusion: Meteor Floor Stripping 12.5% dilution does not remove soil at ease.