

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2014
 DateRun: 07/08/2014
 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.

| 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 | |

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|----------|------------------------|---------------------------------|---------------|--------------------|-------------------------------------|----------------------|
| Summary: | Substrates: | Vinyl Composite Tiles | | | | |
| | Contaminants: | Paints | | | | |
| | Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| | Savogran Company | TSP Substitute | | | <input checked="" type="checkbox"/> | |
| | EnviroCare Corporation | Moldex disinfectant concentrate | | | <input type="checkbox"/> | |

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.