

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2009
 DateRun: 06/04/2009
 Experimenters: Jason Marshall, Junhee Cho, Timothy Weil
 ClientType: Cleaner Manufacturer
 ProjectNumber: Project #1
 Substrates: Wood
 PartType: Coupon
 Contaminants: Films
 Cleaning Methods: Manual Wipe
 Analytical Methods: Gloss-Color Meter
 Purpose: To evaluate aerosol furniture polish on coated wood for gloss levels

Experimental Procedure: A Spectro Guide Gloss-Color meter from BYK Gardner was used to evaluate gloss. Maple coupons were first coated with two layers of Minwax fast drying urethane. When wood coupons were dried, baseline gloss readings of the surface were taken in five locations. An aerosol product was then sprayed onto the surface, wiped off with a cotton rag and gloss readings were taken again in the same five locations. The difference in gloss-color was then compared to determine effectiveness.

Results: Gloss readings were expected to increase after wiping the surfaces with the wood polishing formulations. That was only the case for one product, Amrep Misty A00136. The Aspire product had the largest change in gloss.

| Product | Initial | Final | Delta | Ave Delta | Rank |
|--------------------------|---------|-------|-------|-----------|------|
| A00133 | 12.96 | 15.03 | -2.07 | | |
| | 20.26 | 4.53 | 15.72 | | |
| | 22.81 | 16.5 | 6.31 | 6.65 | 5 |
| A00136 | 12.21 | 16.93 | -4.71 | | |
| | 23.13 | 17.84 | 5.29 | | |
| | 12.42 | 17.12 | -4.7 | -1.37 | 1 |
| Spartan Furniture Polish | 22.81 | 11.33 | 11.48 | | |
| | 14.73 | 11.01 | 3.72 | | |
| | 12.35 | 12.73 | -0.38 | 4.94 | 3 |
| Claire Furniture Polish | 11.15 | 10.64 | 0.51 | | |
| | 14.43 | 5.6 | 8.82 | | |
| | 11.85 | 6.38 | 5.47 | 4.94 | 3 |
| Pledge Original | 10.27 | 9.55 | 0.72 | | |
| | 12.9 | 11.35 | 1.56 | | |
| | 13.27 | 13.08 | 0.19 | 0.82 | 2 |

Larger Ave Delta = less shine

Summary:

| Substrates: | Wood | | | | |
|--------------------------|--|--------|-------------|-------------------------------------|---------------|
| Contaminants: | Films | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Amrep Inc | Aspire Furniture Cleaner & Polish A00133 Aerosol | 100 | | <input type="checkbox"/> | Rank = 5 |
| Amrep Inc | Misty Wax Polish A00136 Aerosol | 100 | | <input checked="" type="checkbox"/> | |
| Spartan Chemical Company | Premium Wood Polish - Aerosol | 100 | | <input checked="" type="checkbox"/> | Rank = 3 |
| Claire Manufacturing | Multi-surface Furniture Polish Aerosol | 100 | | <input checked="" type="checkbox"/> | Rank = 1 |
| SC Johnson & Son Inc | Pledge Lemon Clean Aerosol | 100 | | <input checked="" type="checkbox"/> | Rank = 2 |

Conclusion: Amrep Aspire resulted in the least increase in gloss among the wood polish products. In fact it caused the gloss level to decrease.