CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2025
DateRun:	02/14/2025
Experimenters:	Alicia McCarthy, Tatyanna Moreland Junior, Amelia Wagner, Gabriel Salierno
ClientType:	Cleaner Manufacturer
ProjectNumber:	Project #1
Substrates:	Textile
PartType:	Coupon
Contaminants:	Dirt
Cleaning Methods:	Manual Wipe
Analytical Methods:	Visual
Purpose:	To evaluate the uniformity of ServeCo Leather/Vinyl Protector compared to Guardsman Protect & Preserve, as well as its effectiveness against dirt stains.
Experimental Procedure:	Twelve leather and vinyl swatches, with three of each substrate per product, were cut into uniform rectangular samples and divided into two groups based on substrate type. The products were applied to at least three swatches per group following product instructions and allowed to dry for two hours. Visual ratings were conducted using a blind-test using three panelists, where only the experimenter running the test knew which coupons corresponded to which product. Uniformity was assessed by examining the surfaces for streaks, untreated dry spots, and overall evenness of the product application after drying. To evaluate dirt repellency, approximately 0.005 g of synthetic dirt was applied to each swatch, and the surface was wiped twice with a dry paper towel. Cleanliness levels were then rated based on the amount of remaining dirt and streaking.

Uniformity Rating Key

Rating	Descriptions
1	No Visible streaking or dry spots; product application looks uniform (Excellent Performance).
2	Minimal streaking with mostly even coverage.
3	Slight streaking or small untreated dry spots.
4	High Streaking with noticeable uneven drying.
5	Severe streaking with significant dry spots or inconsistent coverage (Poor Performance).

Dirt Rating Key

Rating	Descriptions
1	No visible dirt or streaks after wiping (Excellent Performance).
2	Minimal dirt or residue remains after wiping.
3	Slight dirt accumulation with some streaking.
4	High dirt retention with visible streaking.
5	Severe dirt retention with heavy streaking or residue (Poor Performance).

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Results:

Uniformity Visual Evaluation

Product	Substrate	Panelist 1 Rating	Panelist 2 Rating	Panelist 3 Rating	Average Rating	Overall Product Rating
ServeCo Leather/ Vinyl Protector	Leather Fabric	1	1	1	1.00	1.11
		1	2	1	1.33	
		1	1	1	1.00	
Guardsman Protect & Preserve		1	1	1	1.00	1.11
		1	1	1	1.00	
		1	1	2	1.33	
ServeCo Leather/ Vinyl Protector	Vinyl Fabric	1	3	1	1.67	1.33
		1	2	1	1.33	
		1	1	1	1.00	
Guardsman Protect & Preserve		1	3	1	1.67	1.33
		1	2	1	1.33	
		1	1	1	1.00	

Both products exhibited similar uniformity performance on leather and vinyl substrates. Neither product caused discoloration after application or following a two-hour air-drying period.

Dirt Repellency Visual Evaluation

Post Wipe 1 Visual Ratings

Product	Substrate	Panelist 1 Rating	Panelist 2 Rating	Panelist 3 Rating	Average Rating	Overall Substrate Rating
ServeCo Leather/ Vinyl Protector	Leather Fabric	2	3	3	2.67	3.00
		1.5	1.5	2	1.67	
		5	4.5	4.5	4.67	
Guardsman Protect & Preserve		3	2	3.5	2.83	3.06
		2.5	4	2.5	3.00	
		4	3	3	3.33	
ServeCo Leather/ Vinyl Protector	Vinyl Fabric	3	4	3	3.33	3.00
		3	3	2.5	2.83	
		3	3	2.5	2.83	
Guardsman Protect & Preserve		1	1	1.5	1.17	2.22
		3	3	3	3.00	
		3	2.5	2	2.50	

Overall Average Rating of Product (Leather and Vinyl):

Product	Rating
ServeCo Leather/ Vinyl Protector	3.00
Guardsman Protect & Preserve	2.64

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Dirt Repellency Evaluation Continued

Post Wipe 2 Visual Ratings

Product	Substrate	Panelist 1 Rating	Panelist 2 Rating	Panelist 3 Rating	Average Rating	Overall Substrate Rating
ServeCo Leather/ Vinyl Protector	Leather Fabric	2	1.5	1.5	1.67	2.11
		1	1.5	1.5	1.33	
		4	3	3	3.33	
Guardsman Protect & Preserve		1	2	1.5	1.50	1.72
		1	2	2	1.67	
		2	2	2	2.00	
ServeCo Leather/ Vinyl Protector	Vinyl Fabric	1	2	1.5	1.50	1.22
		1	1.5	1	1.17	
		1	1	1	1.00	
Guardsman Protect & Preserve		1	1	1	1.00	1.03
		1	1	1.25	1.08	
		1	1	1	1.00	

Overall Average Rating of Product (Leather and Vinyl):

Product	Rating
ServeCo Leather/ Vinyl Protector	1.67
Guardsman Protect & Preserve	1.38

ServeCo Leather/Vinyl Protector improved by 66.75% whereas Guardsman Protect & Preserve improved by 53.60% between wipes. Both products showed a significant reduction in dirt retention after the second wipe.

Summary:

Substrates:	Textile				
Contaminants:	Dirt				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
ServeCo North America	Leather/Vinyl Protector	100%		☑	
Guardsman Protection Products	Protect & Preserve For Leather	100%		☑	

Conclusion: ServeCo Leather/Vinyl Protector demonstrated similar overall performance to Guardsman Protect & Preserve in terms of uniformity and dirt repellency.