

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 36

DateRun: 04/09/2025

Experimenters:

ClientType: Manufacturing

ProjectNumber: Project #1

Substrates: Laminate

PartType: Coupon

Contaminants: Adhesive

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric

Purpose: Identify a cleaner/ solvent that is effective at removing both of conklin's process adhesives

Experimental Procedure: 12 coupons, 6 for each cleaning product and 3 each for both adhesives were soiled in accordance with regular procedure. Prior to soiling initial weights were taken. 3 beads of jowat hot melt adhesive were melted onto the laminate coupons with the heat gun, and approximately .25 mL of wilsonart adhesive was applied to the coupons utilizing a serological loop. The coupons were then allowed to dry for several hours before dirty weights were taken. the ICT-1691L and Windex cleaners were then applied to the coupons using a spray bottle, the windex was allowed to sit for approximately 20-30 seconds before being scrubbed vigorously for another 30 seconds. A similar application was used for the ICT-1691L adhesive remover. The coupons were then allowed to dry overnight and clean weights were taken the next day.

Results:

Soil	Cleaner	ID	Initial	Dirty	Clean	Int. Weight of Contaminant	Final Weight of con
Jowat	ICT-1691L	1	8.3674	8.5325	8.5164	0.1651	0.1490
		2	8.3666	8.5275	8.5273	0.1609	0.1607
		3	8.3954	8.5679	8.5629	0.1725	0.1675
Wilsonart		4	8.0243	8.1541	8.1486	0.1298	0.1243
		5	8.2580	8.4241	8.4237	0.1661	0.1657
		6	7.7160	7.9122	7.9326	0.1962	0.2166
Jowat	Windex	7	6.8097	6.9688	6.9782	0.1591	0.1685
		8	7.7687	7.9424	7.9563	0.1737	0.1876
		9	7.1858	7.3399	7.3505	0.1541	0.1647
Wilsonart		10	7.0182	7.2676	7.1026	0.2494	0.0844
		11	6.7674	7.0173	6.8566	0.2499	0.0892
		12	6.0915	6.3226	6.1758	0.2311	0.0843

Summary:

Conclusion: Based on the results of this test, the ICT-1690L cleaner was not effective at removing either the jowat or wilsonart adhesives. The windex was not effective at removing the Jowat adhesive either, but was very effective at removing the wilsonart adhesive. It did not reach 100% removal due to the time constraints of the testing environment but it would be feasible to completely remove all the adhesive residue by scrubbing for another 20-30 seconds.