CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 36

DateRun: 03/21/2025

Experimenters: Tatyanna Moreland Junior, Alexander Symko

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 Conklin's two adhesive formulations

Experimental Procedure: Six coupons were cut from the laminate sheet provided by Conklin office furniture. These coupons weights were then recorded prior to soiling. Three of the coupons were soiled with the wilsonart 3000 adhesive and allowed to air dry overnight. The other three coupons were soiled with Jowat 2886.0 hot-melt adhesive and were similarly allowed to dry overnight. After soiled weights were taken, the coupons were then manually wiped for 30 seconds each with a microfiber towel that was soaked in the ICT-1690L adhesive remover. After wiping, the coupons were allowed to air dry overnight before final weights were taken.

Results:

Soil	ID	Initial	Dirty	Clean	Int. Weight of Contaminant	Final Weight of contamina
Jowat	1	8.9367	9.1002	9.0077	0.1635	0.0925
	2	8.1413	8.2700	8.1793	0.1287	0.0907
	3	8.3006	8.4403	8.3318	0.1397	0.1085
Wilsonart	4	8.3059	8.4169	8.3832	0.1110	0.0337
	5	8.4383	8.6605	8.6246	0.2222	0.0359
	6	8.8672	9.1049	8.9774	0.2377	0.1275

the ICT-1690L was more effective at removing the wilsonart 3000 adhesive compared to the jowat hot-melt adhesive

Summary:

Conclusion: The ICT-1690L adhesive remover did not satisfactorily remove either the Jowat hot-melt adhesive or the wilsonart 3000 adhesive to be considered as a viable alternative.