

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
 DateRun: 01/30/2002
 Experimenters: Heidi Wilcox
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Stainless Steel
 PartType: Coupon
 Contaminants: Adhesive
 Cleaning Methods: Media Blasting
 Analytical Methods: Gravimetric
 Purpose: Laboratory evaluations of alternative cleaning products
 Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.
 Cleaning: Media Blast with Baking Soda in machine from BSC Co Inc, Blasted each coupon 20-30 seconds under pressure of 80-100 psi
 Rinsing: 1/2 minute with tap water, manual, at 120 F
 Drying: Heat gun at 500 F
 Contaminant: Aroset PS 8078, Ashland Chemical

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Adhesive				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Armex Cleaning and Coating Removal Systems	Sodium Bicarbonate	100	0.04	<input type="checkbox"/>	1-2 minute media blasting, coupons 20 - 22
Armex Cleaning and Coating Removal Systems	Sodium Bicarbonate	100	0.02	<input type="checkbox"/>	10-20 second media blasting, coupons 23-25

Conclusion:

Media Blasting with baking soda is very ineffective on tacky adhesive. Used coupons 20 - 25 from trial 161. Did media blasting on 23 - 25 for standard time of 10 - 20 seconds with poor results. Media blasted coupons 20 - 22 for much longer time frame may help, but not likely.