

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
 DateRun: 08/13/2002
 Experimenters: Jason Marshall, Heidi Wilcox
 ClientType: Cleaner Manufacturer
 ProjectNumber: Project #1
 Substrates: Steel
 PartType: Coupon
 Contaminants: Paints
 Cleaning Methods: Manual Wipe
 Analytical Methods: Visual
 Purpose: Paint removal evaluation of supplied cleaner

Experimental Procedure: Two steel plates were coated with two paints, Sheboygan Paint Company Coating - Black Gloss Air Dry Acrylic Enamel (1330-20-7, 100-41-4, 108-10-1, 1333-96-4, 7727-43-7, 108-88-3, 67-64-1) and Bowman Distribution Semi-Gloss Black Enamel (67-64-1, 1330-20-7, 64-17-5, 763-69-9, 78-93-3, 141-78-6, 68476-86-8). The supplied cleaner and four other products were used at full strength at room temperature. A paper towel was soaked with each solution and the steel coupons were wiped for up to 5 minutes to determine effectiveness.

Results: Three of the five products tested (Bio T Max, D-Limonene and Metabolix) were successful on the Bowman spray paint. Only two were successful very successful (D-Limonene and Metabolix) on the Sheboygan paint. Of these two, Metabolix was more effective, requiring less time to remove the thick enamel paint from the steel plate.

Summary:

Substrates:		Steel				
Contaminants:		Paints				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Metabolix Inc	Metabolix E3HB	100		<input checked="" type="checkbox"/>	Both Paints	
Bio Chem Systems	Bio T Max	100		<input checked="" type="checkbox"/>	One paint	
Florida Chemical Company	D-Limonene	100		<input checked="" type="checkbox"/>	Both paints	
Savogran Company	Dirtex Prepaint Cleaner	100		<input type="checkbox"/>		
PCI of America	Hurrisafe 9010	100		<input type="checkbox"/>		

Conclusion: Client supplied cleaner was successful in removing paint through manual wiping.