

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2009  
 DateRun: 01/20/2009  
 Experimenters: Jason Marshall, Daniel Pina  
 ClientType: Wire & Cable Mfr  
 ProjectNumber: Project #2  
 Substrates: Galvanized Steel  
 PartType: Part  
 Contaminants: Inks  
 Cleaning Methods: Manual Wipe  
 Analytical Methods: Visual

Purpose: To evaluate selected products for ink removal from supplied parts using manual wiping.

Experimental Procedure: Five products from the previous trial were selected based on ink removal. Each product was used at full strength and room temperature. A Kimberly Clark reinforced Wypall X60 reinforced wiper was soaked with a cleaning product and then used to wipe ink off of a section on ink coated galvanized steel cable housing. Cleaning was stopped after 5 minutes and observations were made.

During the course of the experiment, a sixth product was included based on vendor recommendation for ink removal.

Results:	Cleaner	Observations	Rank
	DBE 6	Required more than 5 minutes	5
		Little ink removal	
	Shopmaster RC	Required more than 5 minutes	5
		Little ink removal	
	SC Soyester	Required more than 5 minutes	4
		Part of wire cleaned - fair	
		ink removal	
	Graffiti Remover SAC	Required more than 5 minutes	2
		Removed most of the ink	
	Smart Solve 605	Required more than 5 minutes	3
		Most ink removed	
	Vandal Mark Remover	Less than 5 minutes	1
		Removed ink in under 2 minutes	

Summary:	<b>Substrates:</b>	Galvanized Steel				
	<b>Contaminants:</b>	Inks				
	<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
	Invista S.a.r.l	Flexisolv DBE 6 ester	100		<input type="checkbox"/>	
	Buckeye International	Shopmaster RC	100		<input type="checkbox"/>	
	Gemtek Products	SC Soyester	100		<input type="checkbox"/>	
	Spartan Chemical Company	Graffiti Remover SAC	100		<input checked="" type="checkbox"/>	
	United Laboratories International	Smart Solve 605	100		<input checked="" type="checkbox"/>	
	United Laboratories International	Vandal Mark Remover	100		<input checked="" type="checkbox"/>	

Conclusion: Of the five previously tested products, Graffiti Remover SAC and Smart Solve 605 worked the best. The added sixth product however worked better than both of these products. The one concern with the

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Vandal Mark Remover is that it may not be the safest product to use. A further review of EH&S materials will be conducted.