

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2005  
 DateRun: 11/30/2005  
 Experimenters: Jason Marshall  
 ClientType: Cleaner Manufacturer  
 ProjectNumber: Project #1  
 Substrates: Textile  
 PartType: Coupon  
 Contaminants: None  
 Cleaning Methods: Manual Wipe  
 Analytical Methods: Light Meter

Purpose: To evaluate supplied product for color fastness compared to industry standard.

Experimental Procedure: A section of Interface Flooring Systems, Inc. blue print parquet carpet was marked off into two sections. Each section was three square inches. A SPER Scientific Light Meter 840021 was used to measure Foot Candles from the surface of the carpet. Six readings were taken from each marked off section. Ten milliliters of full strength product were added into each section and allowed to soak into the carpet at room temperature. After 10 minutes a second set of light meter readings were taken. A final set of readings were also taken after a total of 60 minutes. Following the light meter readings, visual analysis was performed by two lab personnel to determine if there was any visible color difference in the carpet.

Results: The light meter readings revealed that the full strength DFC Degreaser at room temperature had no effect on the color of the blue carpet. The Industry Standard product resulted in an increase in the light meter readings, signifying that the cleaner was causing the carpet to lose its color. Visual analysis by the two personnel resulted in the same conclusion.

Product	Readings			Differences	
	Initial 10 min	60 min (10 min - Initial)	(60 min - Initial)		
DFC Degreaser	1.02	1.01	0.98	-0.01	-0.04
	1.17	1.18	1.17	0.01	0
	1.05	1.01	1.03	-0.04	-0.02
	1.15	1.14	1.17	-0.01	0.02
	1.02	1.04	1.03	0.02	0.01
	1.01	1.03	1.02	0.02	0.01
	Average Difference	-0.002	-0.003		
Industry Standard	1.02	1.1	1.19	0.08	0.17
	0.99	1.2	1.29	0.21	0.3
	1.06	1.27	1.38	0.21	0.32
	1.11	1.2	1.25	0.09	0.14
	1.06	1.26	1.24	0.2	0.18
	1.1	1.18	1.23	0.08	0.13
	Average Difference	0.15	0.21		

Summary:

<b>Substrates:</b>	Textile				
<b>Contaminants:</b>	None				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Cogent Environmental Solutions	DFC Degreaser	100	0.00	<input checked="" type="checkbox"/>	

Conclusion:

At full strength and room temperature, the DFC Degreaser did not affect the color of the blue carpet where as the industry standard product caused the carpet to lose some of its color.