CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2023
DateRun:	05/05/2023
Experimenters:	Alicia McCarthy, Hayley Byra, Alexander Symko
ClientType:	Cleaner Manufacturer
ProjectNumber:	Project #1
Substrates:	Wood
PartType:	Coupon
Contaminants:	Mildew
Cleaning Methods:	Manual Wipe
Analytical Methods:	Visual
Purpose:	Testing the efficacy of GreenOx renewal against a market alternative on cleaning oxidized wood siding
Experimental Procedure:	Pre-aged coupons were initially rated on a scale from 1 to 5 by panelists. With 1 being not grey at all and 5 being completely grey. Following rating, the coupons were each scrubbed briefly with their appropriate cleaner, this being water (1), GreenOx Renewal (2), and Behr Premium All-in-one (3). Coupons were allowed to sit for 15 minutes before another application of cleaner, they were then allowed to sit for an additional 15 minutes before being briefly rinsed with tap water. After being allowed to dry for 30 minutes in the fume hood, the coupons were again rated by panelists.

Results:

Initial:	Initial appearance of wood blocks used for testing, with water (1), GreenOx Renewal (2), and Behr Premium all in one cleaner (3) Initial appearance of wood blocks used for testing, with water (1), GreenOx Renewal (2), and Behr Premium all in one cleaner (3)
Final:	Wood blocks tested with (A) water, (B) client product, and (C) comparative product. Wood blocks tested with (A) water, (B) client product, and (C) comparative product.

Panelist Ratings

Product	Coupon#	Initial			Final			Final Average
		1	2	3	1	2	3	
1	1	5	5	5	5	5	5	**5**
	2	5	5	5	5	5	5	
	3	5	5	5	5	5	5	
2	4	5	5	5	1	1	1	**1.1**
	5	5	5	5	1	1	2	
	6	5	5	5	1	1	1	
3	7	5	5	5	3	3	3	**3.6**
	8	5	5	5	4	4	4	
	9	5	5	5	4	3.5	4	

Based on the results above, GreenOx (2) scored better than both water (1) and Behr Premium All-in-one cleaner (3) with a final score of 1.1 compared to 5 and 3.6 respectively.

Summary:

Substrates:	Wood				
Contaminants:	Mildew				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**

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Greenflow USA	Green Ox Renew	1 Gallon of cleaner to 12 fluid ounces of activator		☑	- Activator-cleaner solution should be mixed vigorously prior to application - solution should be scrubbed into wood while applying
Behr Process Corporation	Premium All-in-one wood cleaner	100%		☐	- Solution can be diluted to cover more square footage - requires vigorous scrubbing to achieve any degree of efficacy

Conclusion: Based on testing, GreenOx Renewal performed significantly better than both the water and Behr Premium all-in-one cleaner in cleaning oxidizer off of pre-aged wooden siding.