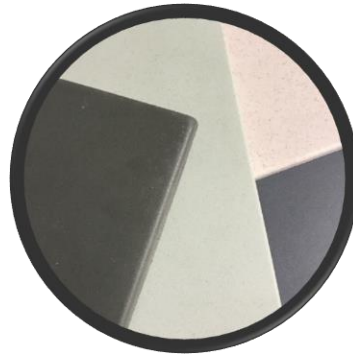




Pallet Tag Program Laboratory Report

Spectra Glaze®



Project No. 1902-02 PTP

Prepared For:



Prepared By:

J. Lucas Comadoll

J. Lucas Comadoll
Project Testing Technician
AMT Laboratories

May 2019



LABORATORY REPORT

AMT Laboratories • 3741 Greenway Circle • Lawrence, Kansas 66046 • (888) 376-3600

FOR: John P. Orsina, Westbrook Block
cc: Tom Lane, PROSOCO, Inc.
Jake Boyer, PROSOCO, Inc.
Al Morris, PROSOCO, Inc.

SUBJECT: Westbrook Block
Westbrook, CT
Pallet Tag Evaluation

DATE: May 9, 2019
PROJECT: 1902-02 PTP

SAMPLES SUBMITTED:

Sample	Name	Color	Size
(1) SPECTRA-GLAZE® II CMU	"Custom Red"	White with Red Flecks	15.5" x 7.5" x 0.375"
(1) SPECTRA-GLAZE® II CMU	"Charcoal A"	Dark Gray	15.5" x 7.5" x 0.375"
(1) SPECTRA-GLAZE® II CMU	"Light Leaf Green"	Light Green	15.5" x 7.5" x 0.375"
(1) SPECTRA-GLAZE® II CMU	"Stormy Gray"	Gray	15.5" x 7.5" x 0.375"

SUBMITTED BY: Texas Building Products
3261 Highway 108
Strawn, Texas 76475



PURPOSE OF TEST:

- To determine the most appropriate PROSOCO, Inc. new construction cleaner(s) for the submitted SPECTRA-GLAZE® II CMUs.
 - To determine the effectiveness of appropriate PROSOCO, Inc. products in simplifying the removal of graffiti from the SPECTRA-GLAZE® II CMUs.
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PRODUCTS EVALUATED:

New Construction Cleaning	Dilution:
Sure Klean® Vana Trol®	1:6; 1:8
Enviro Klean® 2010 All Surface Cleaner	Concentrate; 1:10

NOTE: Due to the nonporous polymeric composition of the submitted samples, Enviro Klean® 2010 All Surface Cleaner, a general maintenance cleaner, was evaluated for new construction cleaning.

Graffiti Removal	Dilution:
Enviro Klean® SafStrip®	N/A*
Defacer Eraser® Graffiti Remover	N/A*

***NOTE:** Per the product data sheet instructions, only use the product in concentrate. Do not dilute.

TEST METHODS: New Construction Cleaning

Sure Klean® Vana Trol® and Enviro Klean® 2010 All Surface Cleaner were tested at various dilutions to determine the optimum cleaner/cure time combination for complete removal of laboratory applied Type S mortar from the submitted samples while limiting surface alterations. The surface alteration evaluation was visually determined based upon perceived discoloration or erosion/etching of the samples.

To simulate new construction soiling, the samples were placed on a bench with finished surface facing upward. Hollow cylinders measuring 50 mm in diameter and 75 mm tall were positioned on top of the samples and filled with a wet mixture of Type S cementitious mortar. The wet mortar-filled cylinder was allowed to remain in contact with the samples for 10 minutes before removal.

Heavy deposits of mortar were removed with dry scraping after 24 hours. Prepared cleaning solutions were then evaluated for their effectiveness in removing residual Type S mortar after 21 days of curing. A visual examination was also made to determine if the tested cleaners caused any surface alterations to the submitted samples based on the following:

Surface Finish Removal is the visual examination of the sample comparing the surface finish of the uncleaned surface to the surface finish cleaned with selected product(s) at given dilutions.

Substrate Deterioration is the visual examination of the sample comparing the uncleaned surface to surfaces cleaned with selected product(s) at given dilutions looking for any potential erosion/digestion of the sample.

Color Change is the visual examination comparing the color of the uncleaned surface to the color of surfaces cleaned with selected products at given dilutions.

Staining is the visual examination for changes that are the result of a chemical reaction that leaves a staining precipitate.

The following is the scale used for reporting results of both categories:

- 0 – **No change** compared to uncleaned surface
- 1 – **Slight change** compared to uncleaned surface
- 2 – **Moderate change** compared to uncleaned surface
- 3 – **Significant change** compared to uncleaned surface

Cleaning Procedure:

1. Pre-wet the surface and apply diluted cleaning solution according to PROSOCO, Inc. Product Data Sheet instructions.
2. Allow for an appropriate dwell time:
 - Vana Trol®3 minutes
 - 2010 All Surface Cleaner3 minutes
3. Reapply cleaning solution; do not let cleaner dry into the SPECTRA-GLAZE® II CMUs.
4. Rinse thoroughly with plenty of fresh water.*
5. Allow the sample to dry for at least 18 hours and visually examine.
6. Compare the uncleaned surfaces to the cleaned surfaces for the best match.

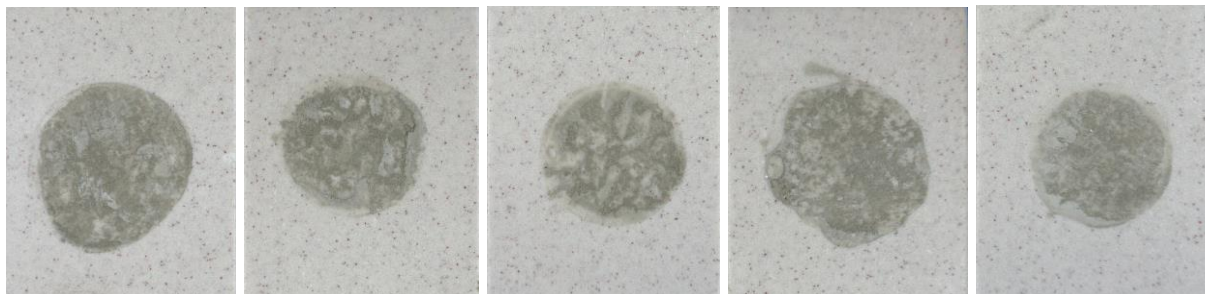
***Rinsing Equipment** – Masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 45 degree fan spray tip was used for rinsing.

TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning

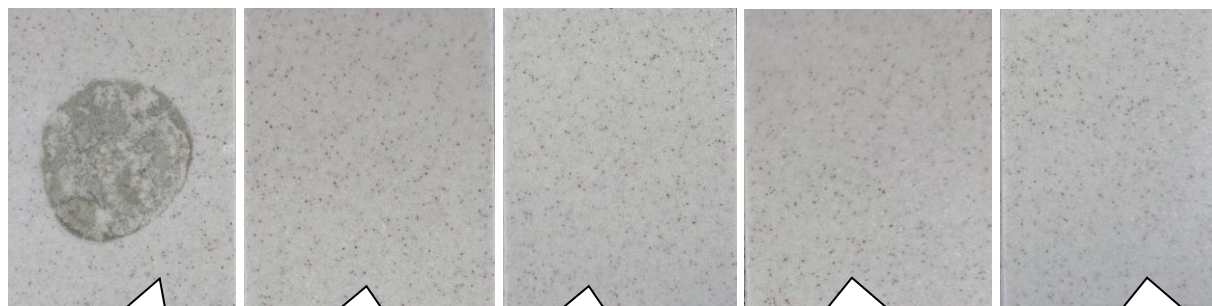
Scale used for reporting results of both categories:
0 – No change compared to uncleaned surface
1 – Slight change compared to uncleaned surface
2 – Moderate change compared to uncleaned surface
3 – Significant change compared to uncleaned surface

Name: "Custom Red" SPECTRA-GLAZE® II CMU						
Product	Dilution	21 Day Mortar Removal	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	100%	0	0	0	0
Vana Trol®	1:8	100%	0	0	0	0
2010 All Surface Cleaner	Concentrate	100%	0	0	0	0
2010 All Surface Cleaner	1:10	100%	0	0	0	0

"Custom Red" SPECTRA-GLAZE® II CMU Before Cleaning



"Custom Red" SPECTRA-GLAZE® II CMU After Cleaning



Uncleaned Surface

Vana Trol®
(1:6)

Vana Trol®
(1:8)

2010 All Surface
Cleaner (Conc.)

2010 All Surface
Cleaner (1:10)

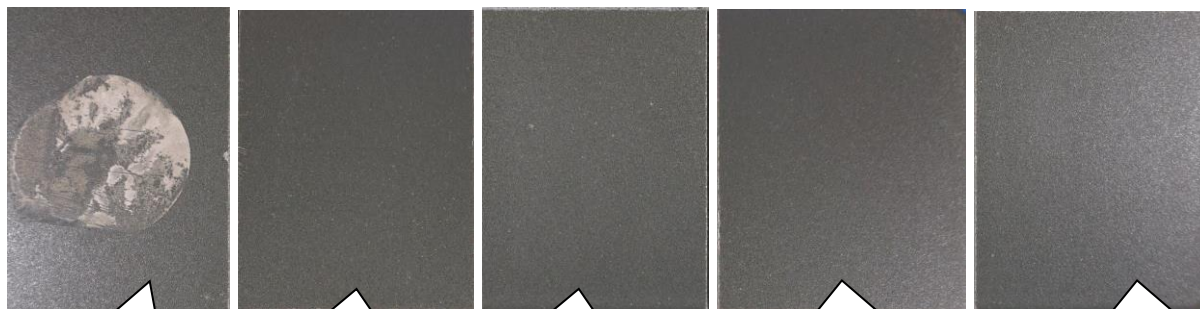
TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Charcoal A" SPECTRA-GLAZE® II CMU						
Product	Dilution	21 Day Mortar Removal	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	100%	0	0	0	0
Vana Trol®	1:8	100%	0	0	0	0
2010 All Surface Cleaner	Concentrate	100%	0	0	0	0
2010 All Surface Cleaner	1:10	100%	0	0	0	0

"Charcoal A" SPECTRA-GLAZE® II CMU Before Cleaning



"Charcoal A" SPECTRA-GLAZE® II CMU After Cleaning



Uncleaned Surface

Vana Trol® (1:6)

Vana Trol® (1:8)

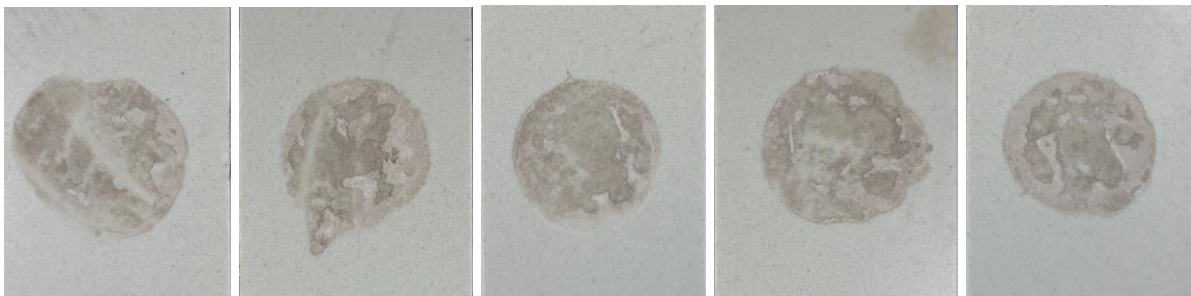
2010 All Surface Cleaner (Conc.)

2010 All Surface Cleaner (1:10)

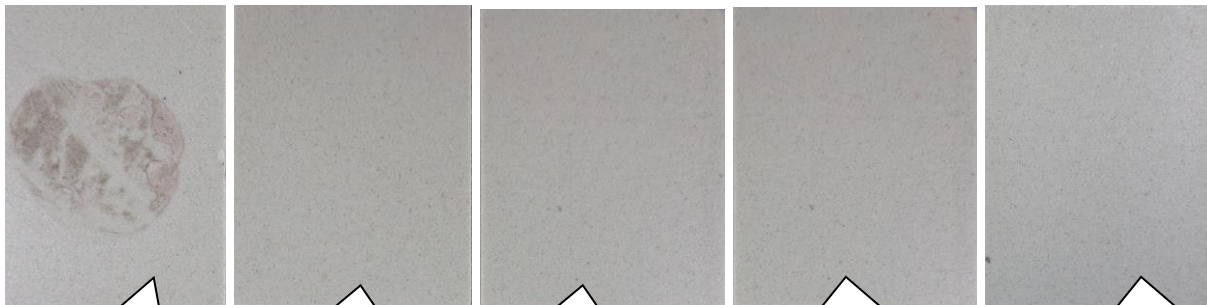
TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Light Leaf Green" SPECTRA-GLAZE® II CMU						
Product	Dilution	21 Day Mortar Removal	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	100%	0	0	0	0
Vana Trol®	1:8	100%	0	0	0	0
2010 All Surface Cleaner	Concentrate	100%	0	0	0	0
2010 All Surface Cleaner	1:10	100%	0	0	0	0

"Light Leaf Green" SPECTRA-GLAZE® II CMU Before Cleaning



"Light Leaf Green" SPECTRA-GLAZE® II CMU After Cleaning



Uncleaned Surface

Vana Trol® (1:6)

Vana Trol® (1:8)

2010 All Surface Cleaner (Conc.)

2010 All Surface Cleaner (1:10)

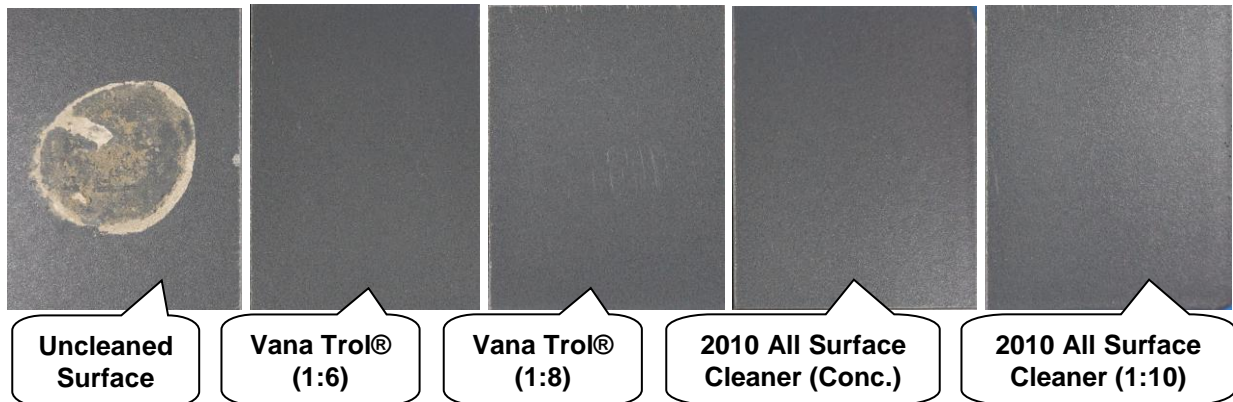
TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Stormy Gray" SPECTRA-GLAZE® II CMU						
Product	Dilution	21 Day Mortar Removal	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	100%	0	0	0	0
Vana Trol®	1:8	100%	0	0	0	0
2010 All Surface Cleaner	Concentrate	100%	0	0	0	0
2010 All Surface Cleaner	1:10	100%	0	0	0	0

"Stormy Gray" SPECTRA-GLAZE® II CMU Before Cleaning



"Stormy Gray" SPECTRA-GLAZE® II CMU After Cleaning



CONCLUSIONS – New Construction Cleaning

Due to the nonporous polymeric composition of the submitted samples, Enviro Klean® 2010 All Surface Cleaner was tested as a new construction cleaner. This strategy abides by the philosophy that you start with the gentlest cleaner and the lowest possible concentration.

In the cleaning tests conducted, both dilutions of Sure Klean® Vana Trol® and Enviro Klean® 2010 All Surface Cleaner removed 100% of the mortar from the surface of the samples.

Neither Sure Klean® Vana Trol® nor Enviro Klean® 2010 All Surface Cleaner caused any change to the appearance of the submitted samples.

It is recommended that the selected cleaners always be used in the lowest possible concentration.

RECOMMENDATIONS: New Construction Cleaning

Recommendations for cleaning for each SPECTRA-GLAZE® II CMU submitted by Westbrook Block, Westbrook, CT are provided in the chart below. Recommendations are based on the cleaner and dilution that provided the best match to the uncleaned surface.

Sample	New Construction Cleaning
“Custom Red” SPECTRA-GLAZE® II CMU	Sure Klean® Vana Trol® (1:6) or (1:8) OR Enviro Klean® 2010 All Surface Cleaner (Concentrate) or (1:10)
“Charcoal A” SPECTRA-GLAZE® II CMU	
“Light Leaf Green” SPECTRA-GLAZE® II CMU	
“Stormy Gray” SPECTRA-GLAZE® II CMU	

The most appropriate cleaner and dilution should be determined on the specific job-site, and will be dependent primarily on the nature and severity of soiling present at that location.

Apply all products in accordance with the manufacturer's recommendation provided on container labels and product data sheets. On-site testing should be conducted to determine the most appropriate cleaning product and procedures for a particular project. See product literature for additional application and product information.

TEST METHODS: Graffiti Removal

This evaluation compares the effectiveness of graffiti removal products.

Spray paint and markers were applied as graffiti agents to the untreated control. Removal of the graffiti agents was attempted 24 hours after application of the graffiti agents, using Enviro Klean® SafStrip® and Defacer Eraser® Graffiti Remover.

Chemical cleaners were evaluated using the following procedure:

1. Apply the product to a dry surface, soiled with graffiti.
2. Allow appropriate dwell time:
 - SafStrip®..... 30 minutes
 - Graffiti Remover 5 minutes
3. Rinse thoroughly until water runs clear. *
4. Allow the surface to dry thoroughly and visually examine to determine effectiveness.

***Pressure Rinsing Equipment** – Masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 45-degree fan spray tip was used for rinsing.

TEST RESULTS AND PHOTOGRAPHS: Graffiti Removal

"Custom Red" SPECTRA-GLAZE® II CMU					
Untreated Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip®	95%	100%	100%	98%	98%
Graffiti Remover	100%	98%	100%	98%	99%

"Custom Red" SPECTRA-GLAZE® II CMU With Graffiti



"Custom Red" SPECTRA-GLAZE® II CMU After Graffiti Testing



1

Untreated
Control

2

KEY

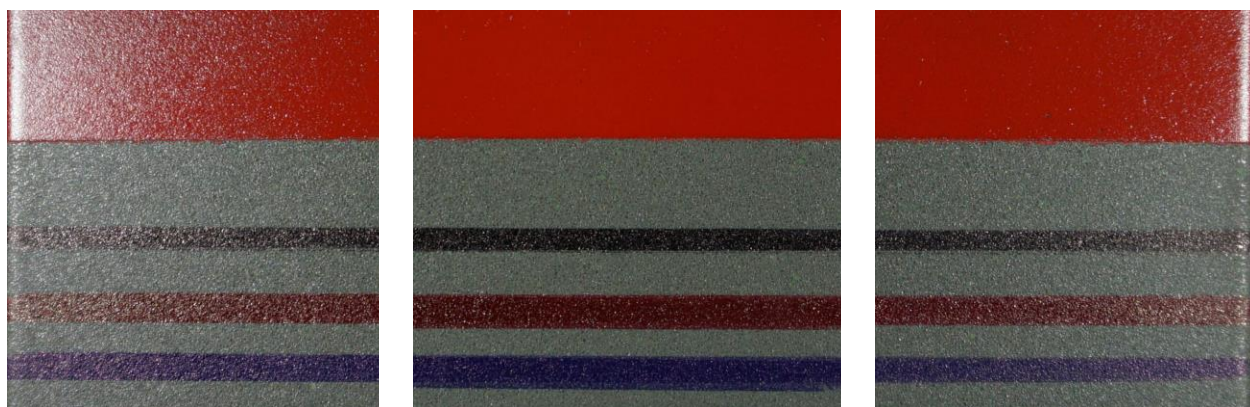
1 = SafStrip®

2 = Graffiti Remover

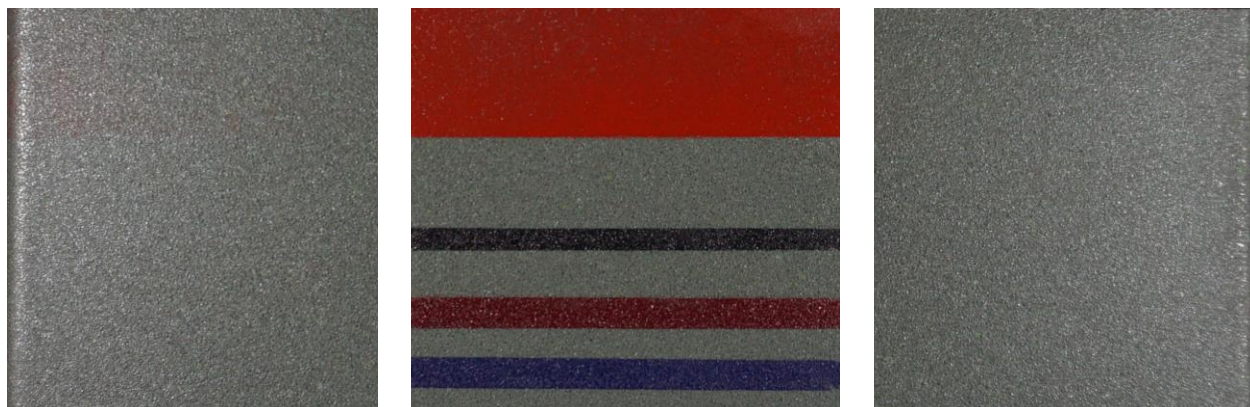
TEST RESULTS AND PHOTOGRAPHS: Graffiti Removal

"Charcoal A" SPECTRA-GLAZE® II CMU					
Untreated Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip®	95%	100%	100%	100%	99%
Graffiti Remover	100%	100%	100%	100%	100%

"Charcoal A" SPECTRA-GLAZE® II CMU With Graffiti



"Charcoal A" SPECTRA-GLAZE® II CMU After Graffiti Testing



1

Untreated
Control

2

KEY

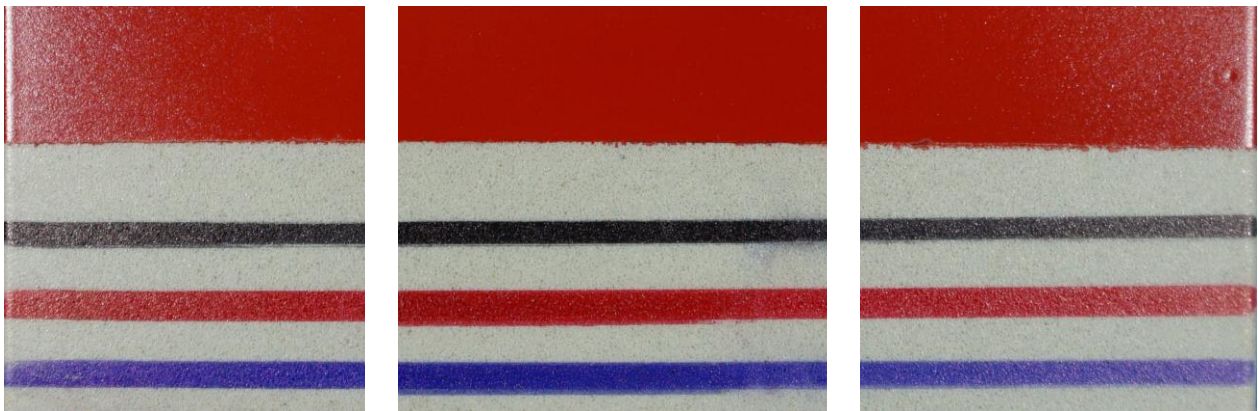
1 = SafStrip®

2 = Graffiti Remover

TEST RESULTS AND PHOTOGRAPHS: Graffiti Removal

“Light Leaf Green” SPECTRA-GLAZE® II CMU					
Untreated Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip®	90%	100%	100%	100%	98%
Graffiti Remover	100%	100%	100%	100%	100%

“Light Leaf Green” SPECTRA-GLAZE® II CMU With Graffiti



“Light Leaf Green” SPECTRA-GLAZE® II CMU After Graffiti Testing



1

Untreated
Control

2

KEY

1 = SafStrip®

2 = Graffiti Remover

TEST RESULTS AND PHOTOGRAPHS: Graffiti Removal

"Stormy Gray" SPECTRA-GLAZE® II CMU					
Untreated Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip®	90%	100%	100%	100%	98%
Graffiti Remover	95%	100%	100%	100%	99%

"Stormy Gray" SPECTRA-GLAZE® II CMU With Graffiti



"Stormy Gray" SPECTRA-GLAZE® II CMU After Graffiti Testing



1

Untreated
Control

2

KEY

1 = SafStrip®

2 = Graffiti Remover

CONCLUSIONS: Graffiti Removal

Based upon laboratory evaluations, both Enviro Klean® SafStrip® and Defacer Eraser® Graffiti Remover proved very effective at removing the graffiti from the submitted samples.

RECOMMENDATIONS: Graffiti Removal

Recommendations for graffiti control for each SPECTRA-GLAZE® II CMU submitted by Westbrook Block, Westbrook, CT are provided in the chart below. Recommendations are based on the product that was most effective on average at removing the graffiti on all types submitted.

Sample	Graffiti Removers
"Custom Red" SPECTRA-GLAZE® II CMU	Enviro Klean® SafStrip® OR Defacer Eraser® Graffiti Remover
"Charcoal A" SPECTRA-GLAZE® II CMU	
"Light Leaf Green" SPECTRA-GLAZE® II CMU	
"Stormy Gray" SPECTRA-GLAZE® II CMU	

Apply all products in accordance with the manufacturer's recommendation provided on container labels and product data sheets. Because the severity of graffiti varies from location to location, on-site testing should be conducted to determine the most appropriate graffiti control product and procedure for a particular project.

A handwritten signature in cursive script that reads 'J. Lucas Comadoll'.

J. Lucas Comadoll
Project Testing Technician

ALL SAMPLES SUPPLIED FOR THE ABOVE EVALUATION WILL BE DISPOSED OF THIRTY (30) DAYS AFTER THE ISSUE DATE OF THIS REPORT. IF SAMPLES ARE TO BE RETAINED FOR ADDITIONAL TESTING OR RETURNED TO THE SENDER, PROVIDE WRITTEN INSTRUCTIONS TO THE LABORATORY WITHIN THIRTY (30) DAYS OF THE ISSUE DATE OF THIS REPORT.

Recommendations made within this report are based on laboratory test applications and observations. Final determination of the suitability of a product and/or procedure should be made only after thorough job testing on actual surfaces.