



# *Pallet Tag Program Laboratory Report*

## Westbrook Concrete Block Westbrook, CT



*Project No. 2012-02 PTP*

***Prepared For:***



***Prepared By:***

*J. Lucas Comadoll*

J. Lucas Comadoll  
Project Testing Technician  
AMT Laboratories

February 2021



# LABORATORY REPORT

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**FOR:** John Orsina, Westbrook Concrete Block Co., Inc.  
**cc:** Tom Lane, PROSOCO, Inc.  
Ralph Morgan  
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Al Morris, PROSOCO, Inc.

**SUBJECT:** Westbrook Concrete Block  
Westbrook, CT  
Pallet Tag Evaluation

**DATE:** February 1, 2021  
**PROJECT:** 2012-02 PTP

**SAMPLES SUBMITTED:** 5 types of CMUs, all with white staining

Block	Number	Color	Size
Ground Face CMU	335	Gray	15.5" x 7.5"
Smooth Moulded CMU	608	Gray	15.5" x 7.5"
Split Face CMU	111	Red	15.5" x 7.5"
Split Face CMU	162	Gray	15.5" x 7.5"
Split Face CMU	308	Gray	15.5" x 7.5"

**SUBMITTED BY:** John Orsina  
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## PURPOSE OF TEST:

- To determine the most appropriate PROSOCO, Inc. new construction cleaner(s) to remove mortar from the submitted samples.
- To determine the most appropriate PROSOCO, Inc. new construction cleaner(s) to remove the white staining from the submitted samples.
- To evaluate the color and sheen enhancement characteristics of the requested PROSOCO® treatments on the submitted samples.
- To determine the most appropriate PROSOCO, Inc. water repellent for the submitted samples.
- To determine the effectiveness of appropriate PROSOCO, Inc. products in preventing the penetration of, and simplifying the removal of, graffiti staining on the submitted samples.



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**PRODUCTS EVALUATED:**

<b>New Construction Cleaning</b>	<b>Dilution:</b>
Sure Klean® Custom Masonry Cleaner	1:4, 1:6
Enviro Klean® Safety Klean	1:2, 1:3

<b>Water Repellency</b>	<b>Dilution:</b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	N/A*
Sure Klean® Weather Seal Siloxane WB Concentrate	1:9

<b>Graffiti Resistance</b>	<b>Dilution:</b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	N/A*

<b>Graffiti Removal</b>	<b>Dilution:</b>
Defacer Eraser® Graffiti Remover	N/A*
Enviro Klean® SafStrip® 8	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® Custom Masonry Cleaner and Enviro Klean® Safety Klean 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 leaving the external surface looking most like the natural through-body color of the CMU. The cleaners were also evaluated for their ability to remove the white staining present on the submitted 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 and the white staining. Color uniformity was evaluated by visually to determine if the tested cleaners caused any surface alterations to the submitted samples based on the following:

**Aggregate Exposure** is the visual examination comparing aggregate exposure of the interior, through-body section of the CMU to surfaces cleaned with selected product(s) at given dilutions.

**Surface Pigment Alteration/Removal** is the visual examination comparing the pigmentation of the interior, through-body section of the CMU to surfaces cleaned with selected product(s) at given dilutions.

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

- 0 – **No change** compared to through-body
- 1 – **Slight change** compared to through-body
- 2 – **Moderate change** compared to through-body
- 3 – **Significant change** compared to through-body

### NOTE: When cleaning integrally colored CMUs.

Integrally colored concrete masonry units (CMUs) frequently have high amounts of pigment concentrated on the surface of the cured concrete unit. Variation of surface pigment concentrations from one CMU to the next creates a blotchy appearance in the completed wall. Allowed to remain on the surface of the CMU, the weakly bound pigment will weather and streak, further detracting from the appearance of the completed CMU wall.

In addition to removing excess mortar and construction related soiling, the goal of any cleaning operation undertaken on an integrally colored CMU should include removal of unnaturally high concentrations of surface pigment. By revealing the natural through-body color on the integrally colored unit, the overall color uniformity and weathering resistance of the completed CMU wall is improved.

### Cleaning Procedure:

1. Pre-wet the surface and apply diluted cleaning solution according to PROSOCO, Inc. Product Data Sheet instructions.
2. Allow appropriate dwell time and periodically agitate:  
Custom Masonry Cleaner .....3 minutes  
Safety Klean.....5 minutes
3. Reapply cleaning solution; do not let cleaner dry into sample.
4. Rinse thoroughly with plenty of fresh water.\*
5. Allow the sample to dry for at least 18 hours and visually examine.
6. Break the sample and compare the through-body surface to the cleaned surface 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**

<b>Name:</b> Ground Face “335” CMU					
<b>Product</b>	<b>Dilution</b>	<b>21 Day Mortar Removal</b>	<b>Aggregate Exposure</b>	<b>Surface Pigment Alteration/Removal</b>	<b>White Stain Removal</b>
Custom Masonry Cleaner	1:4	100%	2	1	100%
Custom Masonry Cleaner	1:6	95%	1	1	100%
Safety Klean	1:2	100%	1	1	100%
Safety Klean	1:3	100%	1	1	100%

<b>Name:</b> Smooth Moulded “608” CMU					
<b>Product</b>	<b>Dilution</b>	<b>21 Day Mortar Removal</b>	<b>Aggregate Exposure</b>	<b>Surface Pigment Alteration/Removal</b>	<b>White Stain Removal</b>
Custom Masonry Cleaner	1:4	95%	2	2	100%
Custom Masonry Cleaner	1:6	90%	1	1	100%
Safety Klean	1:2	95%	1	1	100%
Safety Klean	1:3	90%	1	1	100%

<b>Name:</b> Split Face “111” CMU					
<b>Product</b>	<b>Dilution</b>	<b>21 Day Mortar Removal</b>	<b>Aggregate Exposure</b>	<b>Surface Pigment Alteration/Removal</b>	<b>White Stain Removal</b>
Custom Masonry Cleaner	1:4	100%	2	2	100%
Custom Masonry Cleaner	1:6	95%	1	1	95%
Safety Klean	1:2	95%	2	2	95%
Safety Klean	1:3	100%	1	1	95%

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

<b>Name: Split Face "162" CMU</b>					
<b>Product</b>	<b>Dilution</b>	<b>21 Day Mortar Removal</b>	<b>Aggregate Exposure</b>	<b>Surface Pigment Alteration/Removal</b>	<b>White Stain Removal</b>
Custom Masonry Cleaner	1:4	100%	2	2	100%
Custom Masonry Cleaner	1:6	95%	1	1	100%
Safety Klean	1:2	95%	2	1	100%
Safety Klean	1:3	95%	1	1	100%

<b>Name: Split Face "308" CMU</b>					
<b>Product</b>	<b>Dilution</b>	<b>21 Day Mortar Removal</b>	<b>Aggregate Exposure</b>	<b>Surface Pigment Alteration/Removal</b>	<b>White Stain Removal</b>
Custom Masonry Cleaner	1:4	95%	2	2	100%
Custom Masonry Cleaner	1:6	95%	1	1	100%
Safety Klean	1:2	100%	1	1	100%
Safety Klean	1:3	100%	1	1	100%

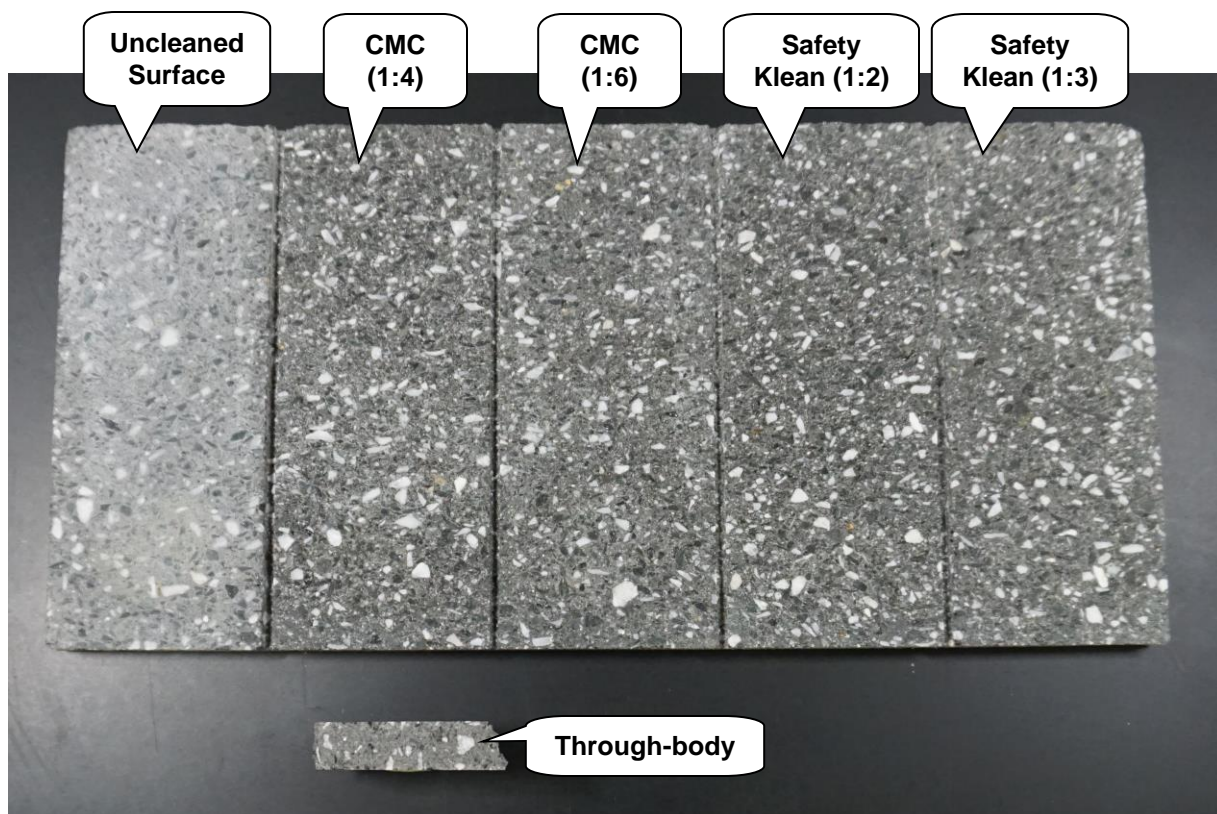


**TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning**

**Ground Face "335" CMU Before Cleaning**

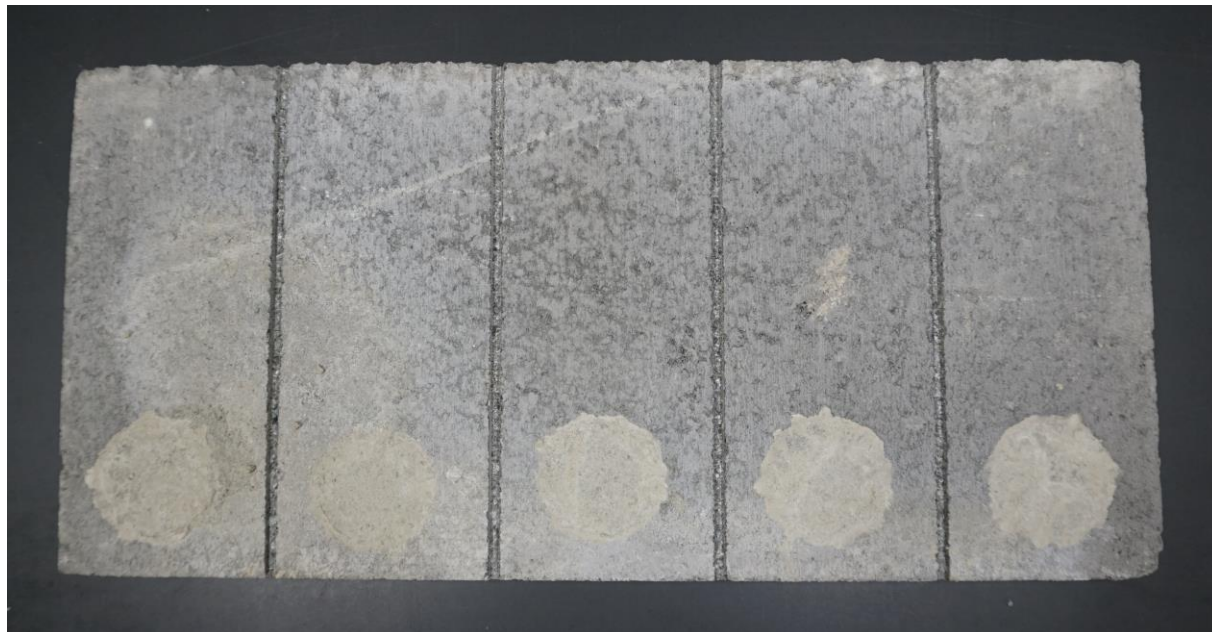


**Ground Face "335" CMU After Cleaning**

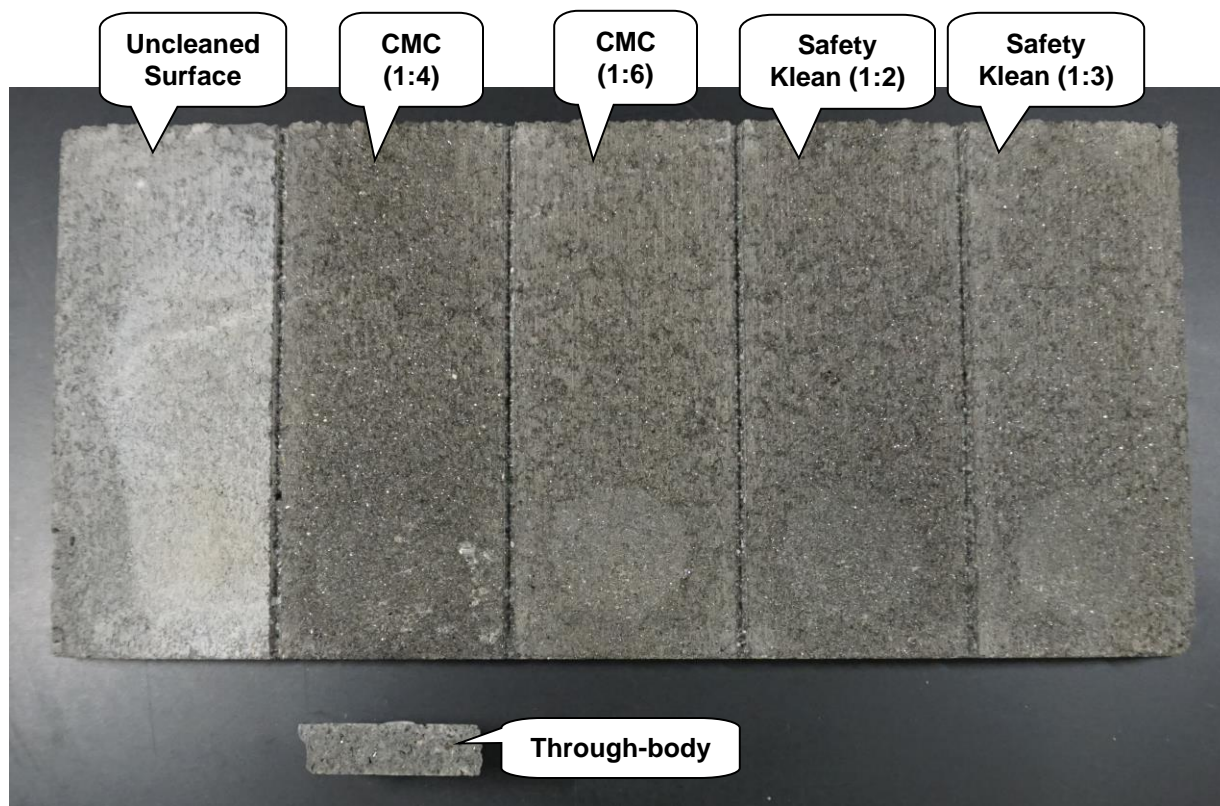


**TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning**

**Smooth Moulded "608" CMU Before Cleaning**



**Smooth Moulded "608" CMU After Cleaning**



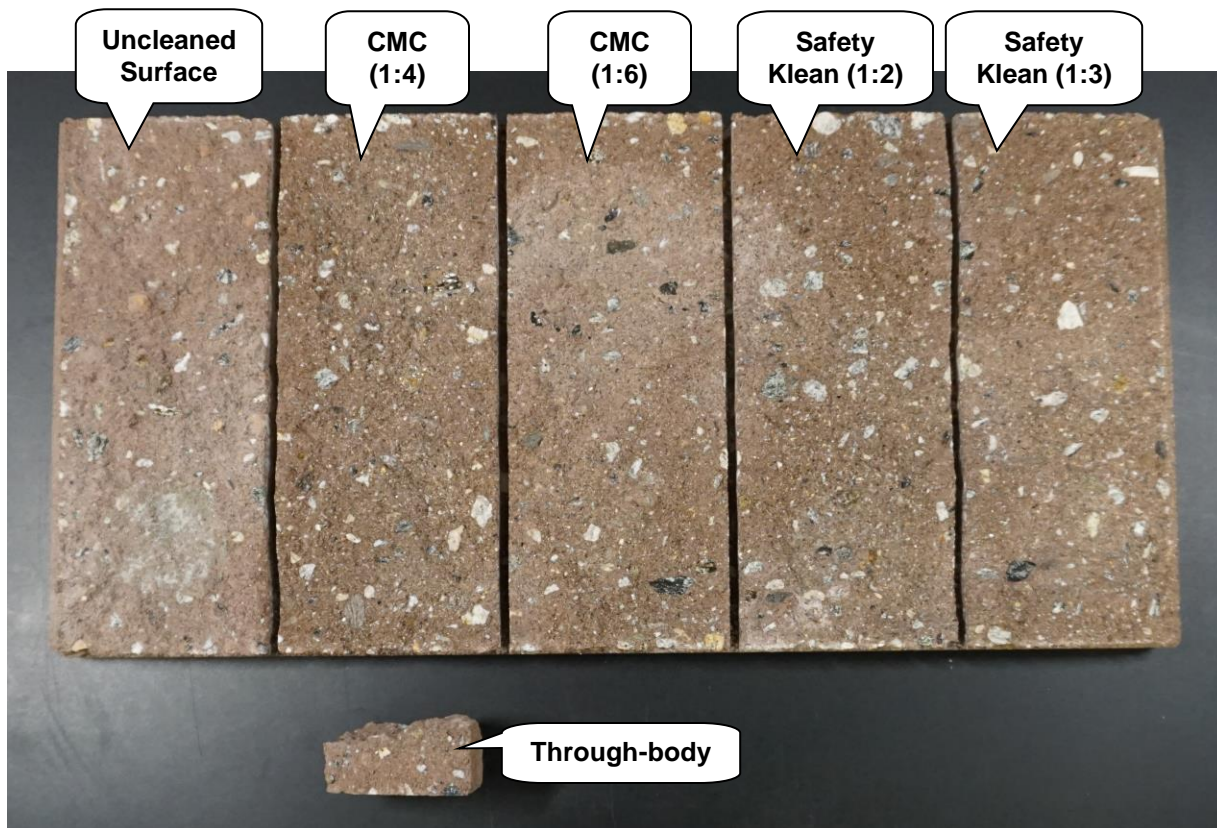


**TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning**

**Split Face "111" CMU Before Cleaning**



**Split Face "111" CMU After Cleaning**



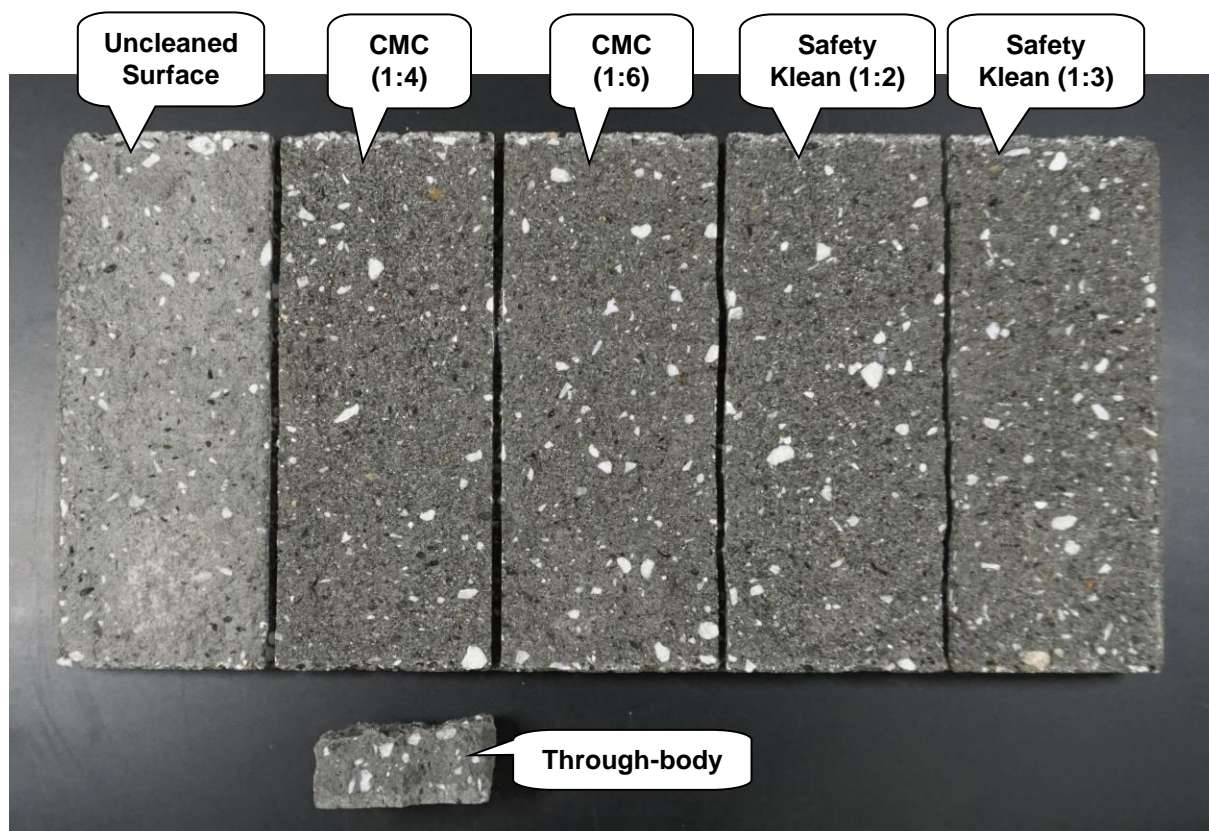


## TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning

### Split Face "162" CMU Before Cleaning



### Split Face "162" CMU After Cleaning



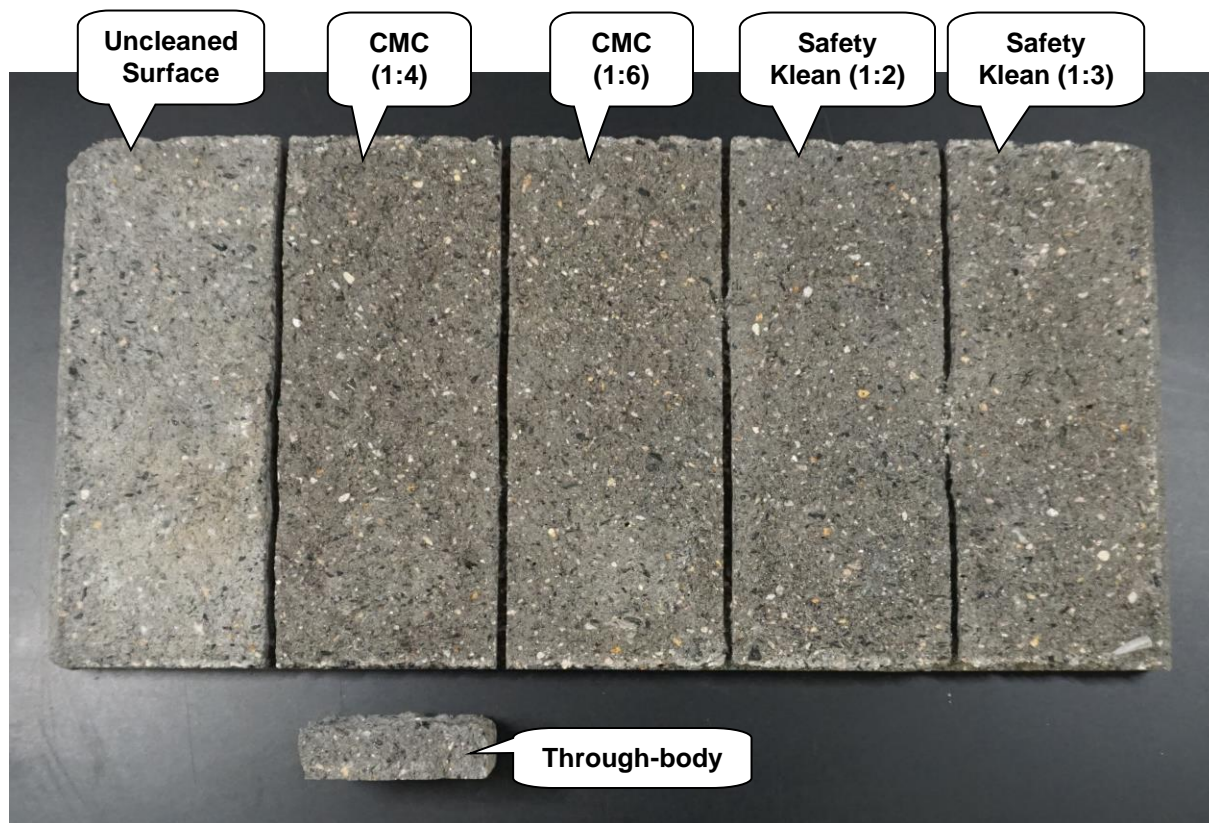


## TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning

### Split Face "308" CMU Before Cleaning



### Split Face "308" CMU After Cleaning



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## **CONCLUSIONS: New Construction Cleaning**

In most of the cleaning tests conducted, Sure Klean® Custom Masonry Cleaner diluted with four parts water removed a moderate amount of surface pigment, exposing a moderate amount of aggregate. Sure Klean® Custom Masonry Cleaner diluted with six parts water and Enviro Klean® Safety Klean diluted with both two and three parts water removed a slight amount of surface pigment, exposing a slight amount of aggregate.

Both Sure Klean® Custom Masonry Cleaner and Enviro Klean® Safety Klean provided an accurate match to the through-body color of the CMU.

Both Sure Klean® Custom Masonry Cleaner and Enviro Klean® Safety Klean were effective in removing the majority of the white staining present on the samples. Samples with more severe staining, like the staining found on the Split Face “111” CMU, may require additional cleaning to remove the entire stain if not achieved upon initial application.

When choosing the most appropriate product for the desired result:

- For excess mortar and heavy efflorescence – Test Sure Klean® Custom Masonry Cleaner
- For an effective, safe alternative to acidic cleaning compounds – Test Enviro Klean® Safety Klean

Use higher concentrations and surface agitation to maximize aggregate exposure. Use low concentration and surface agitation to minimize aggregate exposure.

It is recommended that the selected cleaners always be used in the lowest possible concentration. Apply all products in accordance with the manufacturer's recommendations 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.

### **NOTE: When cleaning integrally colored CMUs.**

Integrally colored concrete masonry units (CMUs) frequently have high amounts of pigments concentrated on the surface of the cured concrete unit. Variation of surface pigment concentrations from one CMU to the next creates a blotchy appearance in the completed wall. Allowed to remain on the surface of the CMU, the weakly bound pigment will weather and streak, further detracting from the appearance of the completed CMU wall.

In addition to removing excess mortar and construction related soiling, the goal of any cleaning operation undertaken on an integrally colored CMU should include removal of unnaturally high concentrations of surface pigment. By revealing the natural through-body color on the integrally colored unit, the overall color uniformity and weathering resistance of the completed CMU wall is improved.

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**RECOMMENDATIONS: New Construction Cleaning**

Recommendations for cleaning for each type of CMU submitted by Westbrook Concrete Block, Westbrook, CT are provided in the chart below. Recommendations are based on the cleaner and dilution that provided the best match to the through-body.

Sample	New Construction Cleaning
Ground Face "335" CMU	Sure Klean® Custom Masonry Cleaner (1:4) or (1:6) OR Enviro Klean® Safety Klean (1:2) or (1:3)
Smooth Moulded "608" CMU	
Split Face "111" CMU	
Split Face "162" CMU	
Split Face "308" 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.



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### **SAMPLE PREPARATION: Treatment Application**

Prior to treatment application, the submitted CMUs were cleaned with Sure Klean® Custom Masonry Cleaner diluted with six parts water in accordance with the current PROSOCO, Inc. Product Data Sheet instructions. After the samples had dried for at least 24 hours, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II, and Sure Klean® Weather Seal Siloxane WB Concentrate were applied in a brushing application in accordance with the current PROSOCO, Inc. Product Data Sheet instructions. The treatments were allowed to cure for at least 72 hours prior to testing.

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### **TEST METHODS: Color and Sheen Enhancement**

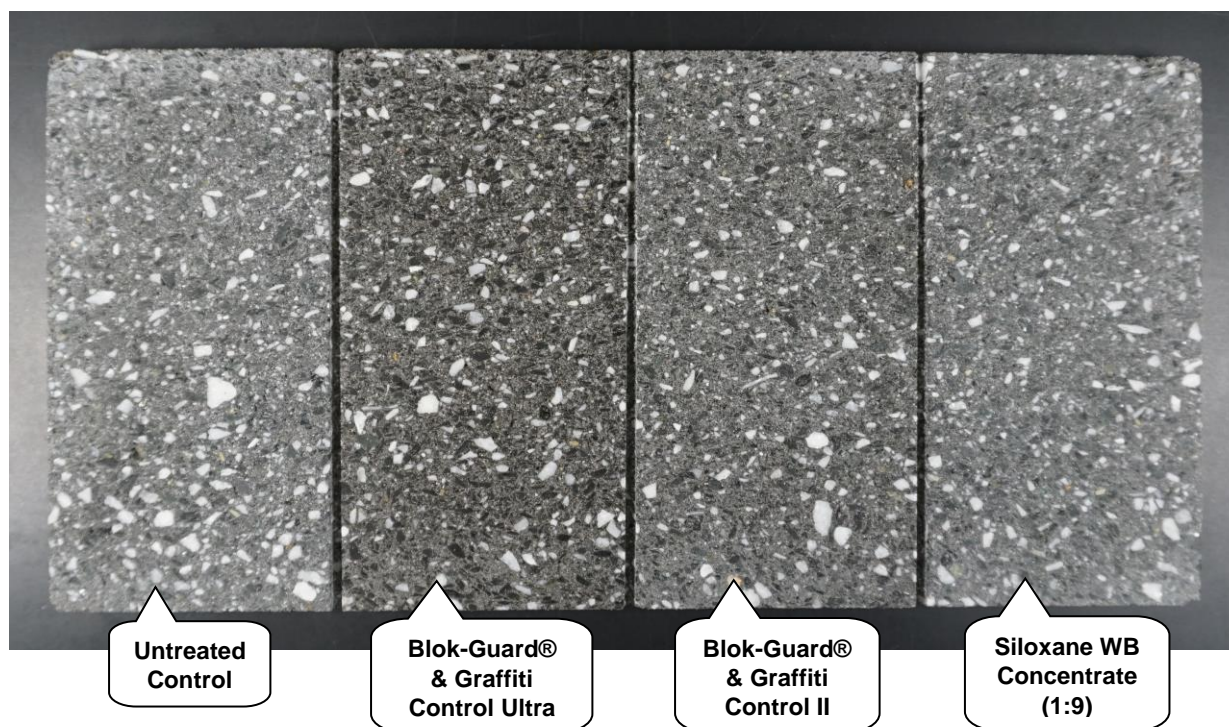
After 72 hours, a visual evaluation was made comparing the untreated control surface to the treated surface to determine the effectiveness of the evaluated products in providing color and/or sheen enhancement to the submitted samples.

The following scale was used for reporting results of both categories:
0 – <b>No enhancement</b> compared to untreated control
1 – <b>Slight enhancement</b> compared to untreated control
2 – <b>Moderate enhancement</b> compared to untreated control
3 – <b>Significant enhancement</b> compared to untreated control

**TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement**

Ground Face "335" CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

**Ground Face "335" CMU with Treatments**



**TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)**

Smooth Moulded "608" CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

**Smooth Moulded "608" CMU with Treatments**

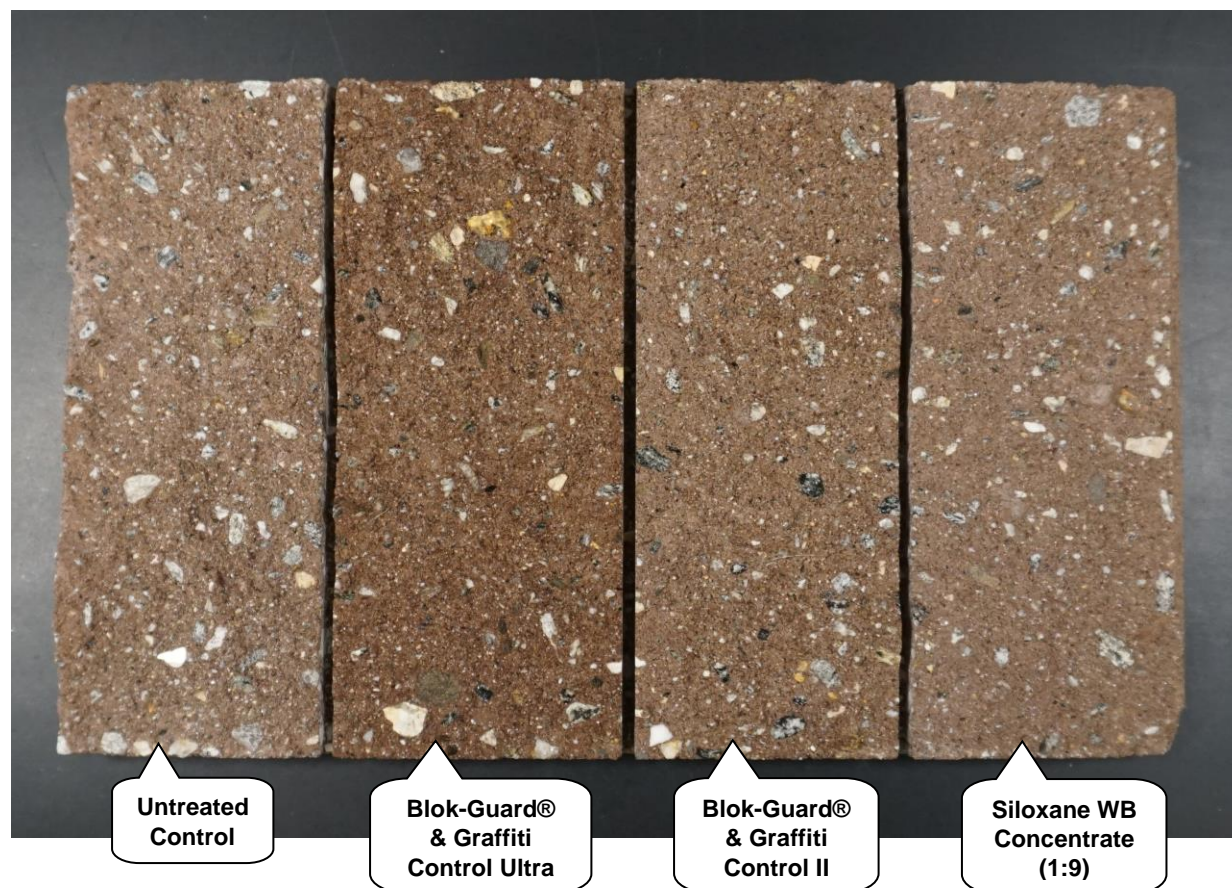




**TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)**

<b>Split Face "111" CMU</b>	<b>Color Enhancement</b>	<b>Sheen Enhancement</b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

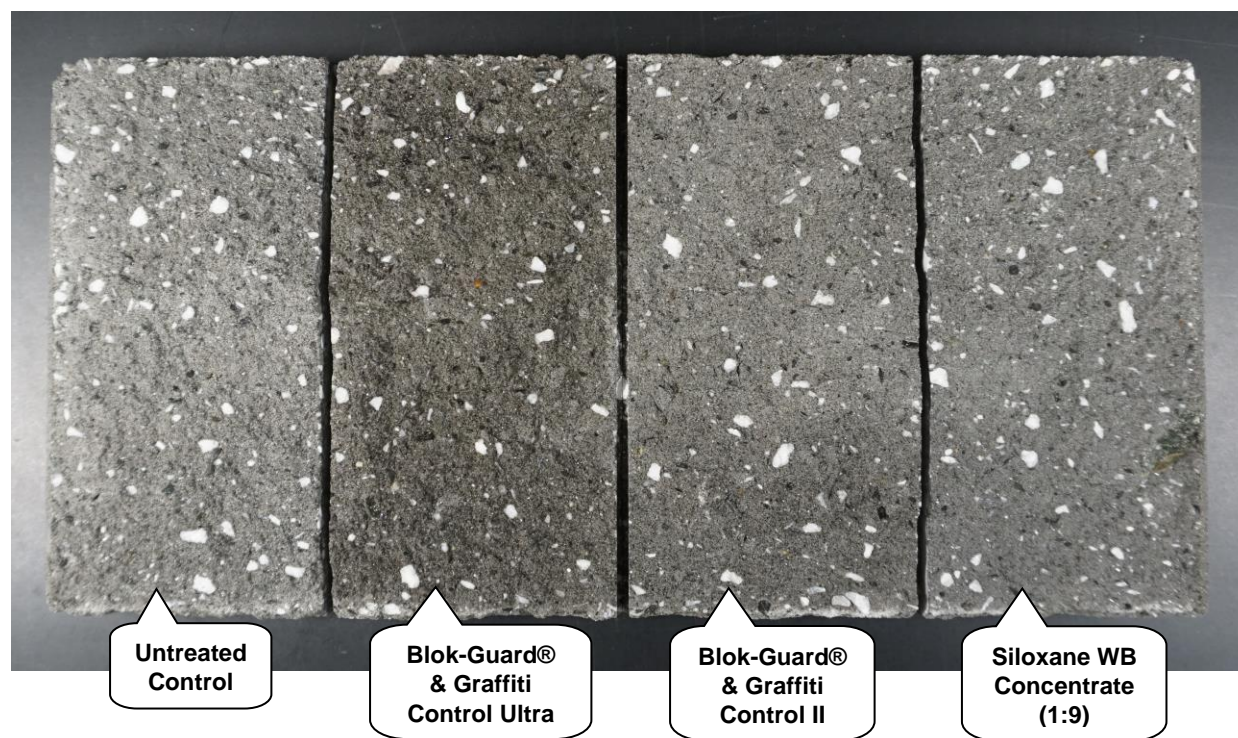
**Split Face "111" CMU with Treatments**



**TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)**

<b>Split Face "162" CMU</b>	<b>Color Enhancement</b>	<b>Sheen Enhancement</b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

**Split Face "162" CMU with Treatments**

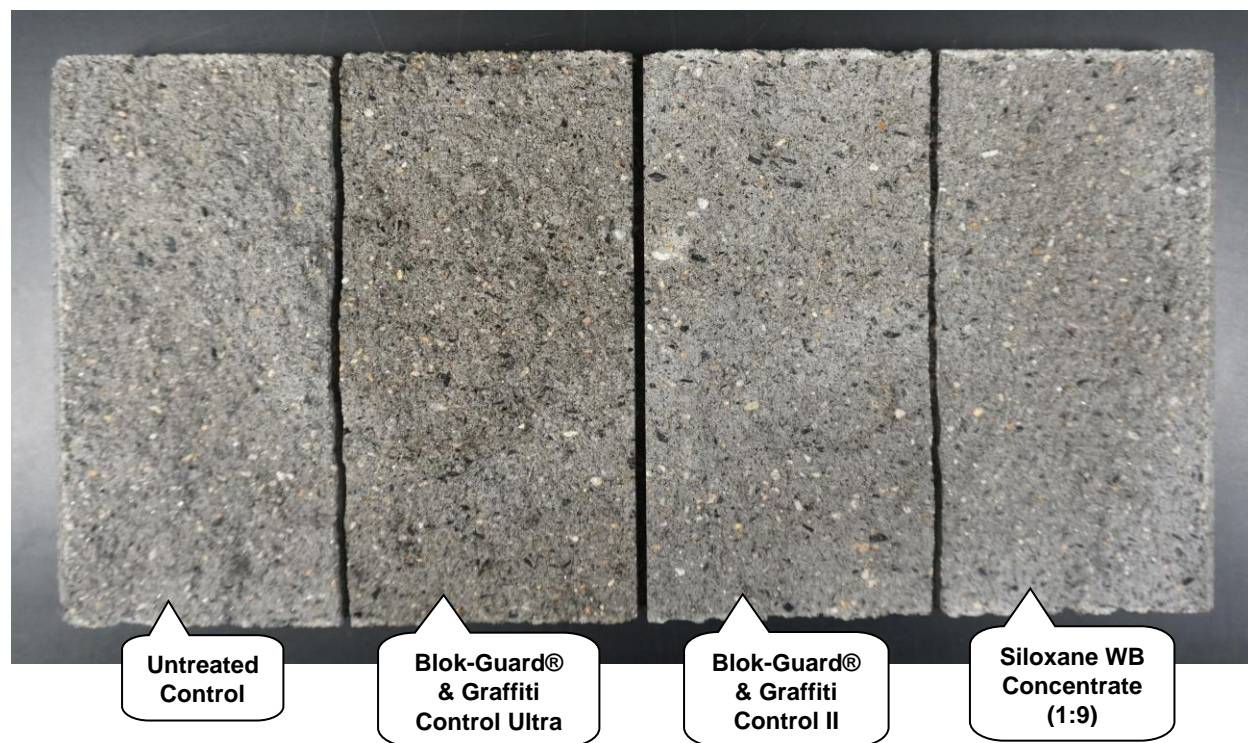




**TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)**

<b>Split Face "308" CMU</b>	<b>Color Enhancement</b>	<b>Sheen Enhancement</b>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

**Split Face "308" CMU with Treatments**



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## **CONCLUSIONS: Color and Sheen Enhancement**

The treatments evaluated provided a range of color enhancement results, from no change in appearance to a moderate change depending on the treatment.

Application of Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra resulted in moderate color enhancement to each sample. Application of Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II resulted in a slight color enhancement to each sample. Application of Sure Klean® Weather Seal Siloxane WB Concentrate diluted with nine parts water did not cause any change to the appearance of the submitted samples.

Enhancement levels may vary by substrate color, lighting, orientation application method, and other variables. Always test in the field to confirm intended results.

Worth noting, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra applied to the Smooth Moulded "608" CMU resulted in uneven color enhancement. This may have resulted from the brushing application method used, however on-site testing should always be conducted to ensure desired results.

None of the treatments evaluated provided any sheen enhancement.

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

## RECOMMENDATIONS: Color and Sheen Enhancement

Recommendations for color and sheen enhancement for each type of CMU submitted by Westbrook Concrete Block, Westbrook, CT are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Color and Sheen Enhancement
Ground Face "335" CMU	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra (Recommended if moderate color enhancement is desired) OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II (Recommended if slight color enhancement is desired) OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) (Recommended if no color enhancement is desired)
Smooth Moulded "608" CMU	
Split Face "111" CMU	
Split Face "162" CMU	
Split Face "308" 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.

## TEST METHODS: Protective Water Repellents

### Water Absorption Tube Test: RILEM II.4, 60 mph, 20 Minutes

The water absorption tube test simulating wind driven rain conditions was performed. This test simulates 60 mile per hour wind driven rain conditions for a period of 20 minutes.

## TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents

### Water Absorption Tube Test: RILEM II.4, 60 mph, 20 Minutes

Ground Face "335" CMU	
Untreated Control	55 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

### Water Absorption Tube Test of Ground Face "335" CMU



**TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)**

**Water Absorption Tube Test: RILEM II.4, 60 mph, 20 Minutes**

<b>Smooth Moulded "608" CMU</b>	
Untreated Control	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

<b>Split Face "111" CMU</b>	
Untreated Control	55 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

<b>Split Face "162" CMU</b>	
Untreated Control	49 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

<b>Split Face "308" CMU</b>	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph



## CONCLUSIONS: Protective Water Repellents

Based on the laboratory evaluations, all of the treatments provided good water repellent protection to the submitted CMUs.

## RECOMMENDATIONS: Protective Water Repellents

Recommendations for water repellency for each type of CMU submitted by Westbrook Concrete Block, Westbrook, CT are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Water Repellency
Ground Face "335" CMU	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)
Smooth Moulded "608" CMU	
Split Face "111" CMU	
Split Face "162" CMU	
Split Face "308" 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.

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## TEST METHODS: Graffiti Resistance

This evaluation compares the effectiveness of graffiti control treatments in preventing staining of enamel spray paint and permanent markers.

Graffiti comes in many forms, many of which are low quality, readily available spray paints and markers. While those forms of graffiti are most common and may be easier to remove, the testing below was conducted with the graffiti types we have found to be the most resilient and hardest to remove in order to provide you with a “worst case scenario.” Always test in field conditions to verify intended performance.

Spray paint and markers were applied as graffiti agents to the untreated and treated surfaces five days after application of the graffiti resistant products. Removal of the graffiti agents was attempted 24 hours after application of the graffiti agents, using Enviro Klean® SafStrip® 8 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 and periodically agitate:

SafStrip® 8.....	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.

Graffiti removal was evaluated visually using a scale from 0 to 10, with 0 indicating no removal of the graffiti agent and 10 indicating complete removal of the graffiti agent.

**TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance**

<b>Ground Face "335" CMU</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	5	10	8	10	<b>8.3</b>
Graffiti Remover	5	10	9	10	<b>8.5</b>
<b>Blok-Guard® &amp; Graffiti Control Ultra</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	9	10	10	10	<b>9.8</b>
Graffiti Remover	10	10	10	10	<b>10</b>
<b>Blok-Guard® &amp; Graffiti Control II</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	8	10	9	10	<b>9.3</b>
Graffiti Remover	8	10	9	10	<b>9.3</b>

<b>Smooth Moulded "608" CMU</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	5	8	9	10	<b>8.0</b>
Graffiti Remover	4	9	10	10	<b>8.3</b>
<b>Blok-Guard® &amp; Graffiti Control Ultra</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	9	10	9	10	<b>9.5</b>
Graffiti Remover	9	10	9	9	<b>9.3</b>
<b>Blok-Guard® &amp; Graffiti Control II</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	7	9	9	9	<b>8.5</b>
Graffiti Remover	7	9	9	9	<b>8.5</b>

**TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)**

<b>Split Face "111" CMU</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	2	8	8	8	<b>6.5</b>
Graffiti Remover	2	7	7	7	<b>5.8</b>
<b>Blok-Guard® &amp; Graffiti Control Ultra</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	8	10	10	10	<b>9.5</b>
Graffiti Remover	9	10	9	10	<b>9.5</b>
<b>Blok-Guard® &amp; Graffiti Control II</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	6	9	8	9	<b>8.0</b>
Graffiti Remover	7	8	8	8	<b>7.8</b>

<b>Split Face "162" CMU</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	2	9	8	8	<b>6.8</b>
Graffiti Remover	3	8	8	8	<b>6.8</b>
<b>Blok-Guard® &amp; Graffiti Control Ultra</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	8	10	9	10	<b>9.3</b>
Graffiti Remover	9	10	9	10	<b>9.5</b>
<b>Blok-Guard® &amp; Graffiti Control II</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	6	9	8	9	<b>8.0</b>
Graffiti Remover	7	8	8	9	<b>8.0</b>

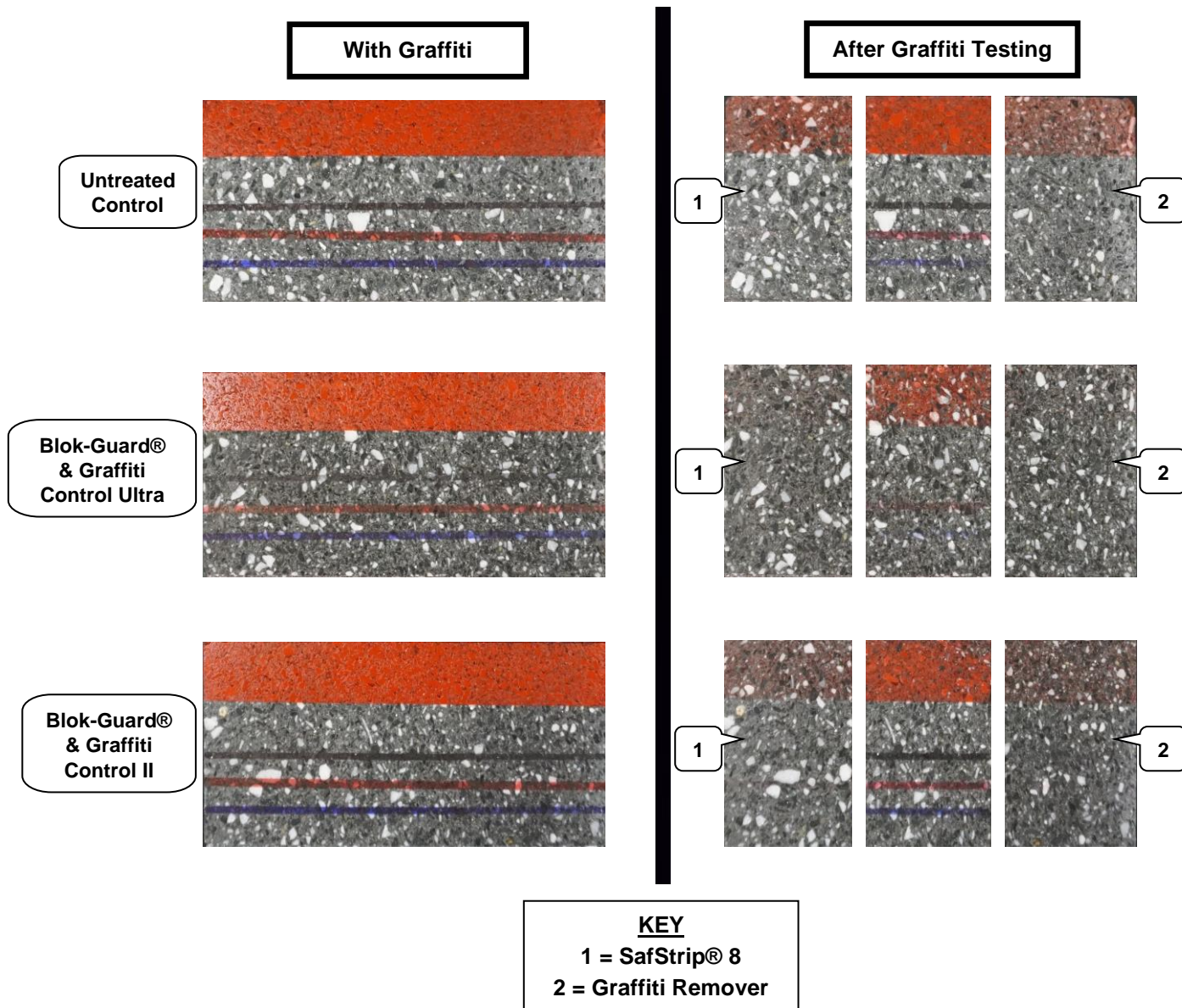
**TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)**

<b>Split Face "308" CMU</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	2	9	8	9	<b>7.0</b>
Graffiti Remover	3	9	9	9	<b>7.5</b>
<b>Blok-Guard® &amp; Graffiti Control Ultra</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	8	10	10	10	<b>9.5</b>
Graffiti Remover	9	10	9	10	<b>9.5</b>
<b>Blok-Guard® &amp; Graffiti Control II</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Red Marker</b>	<b>Blue Marker</b>	<b>Avg. Rating</b>
SafStrip® 8	6	10	9	9	<b>8.5</b>
Graffiti Remover	7	8	8	8	<b>7.8</b>



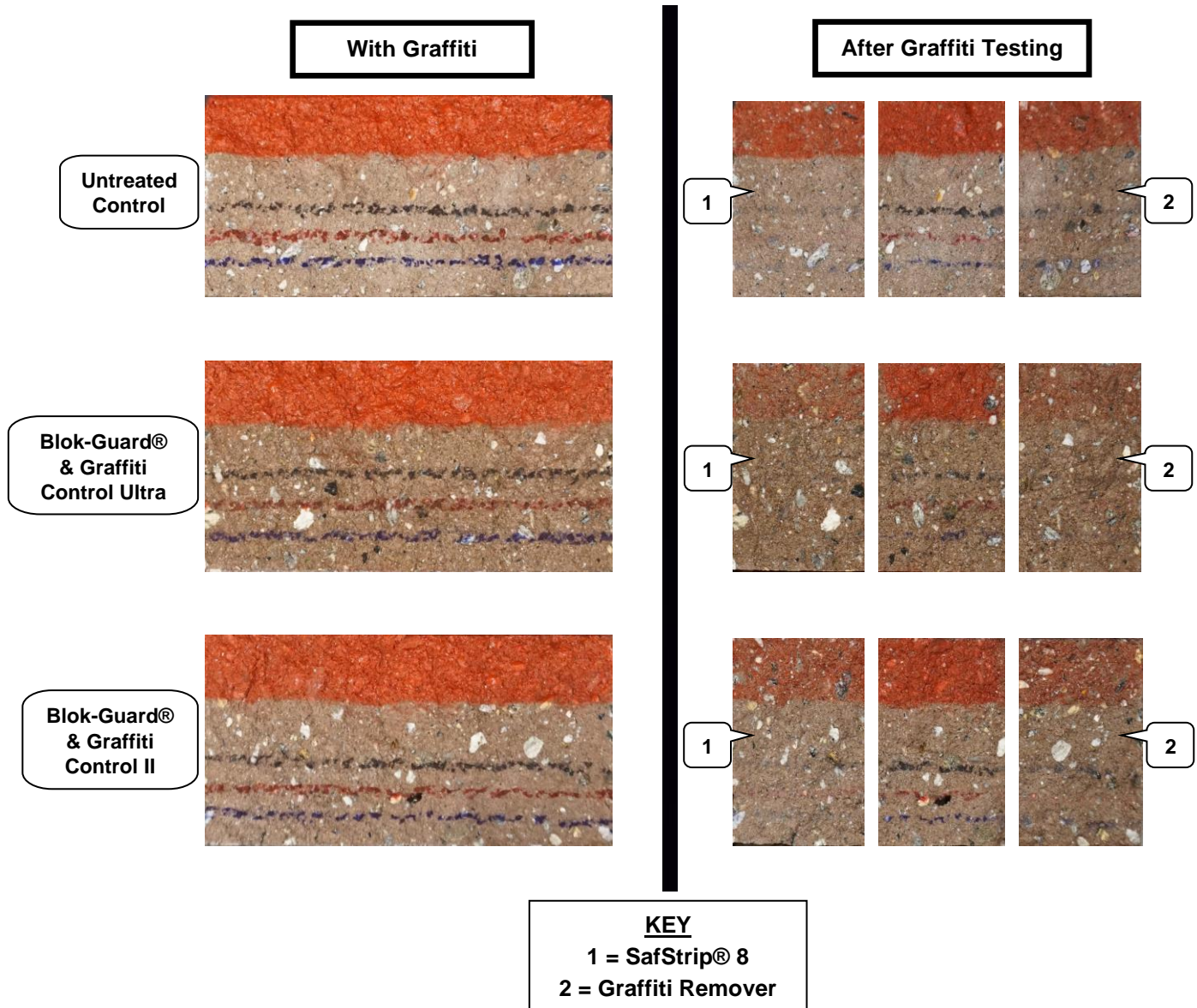
TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

Ground Face "335" CMU



## TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

### Split Face "111" CMU



## CONCLUSIONS: Graffiti Resistance

Based on the laboratory evaluations, graffiti removal was improved when the submitted samples were treated with Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra or Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II. However, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra was the most effective treatment.

Enviro Klean® SafStrip® 8 and Defacer Eraser® Graffiti Remover were both effective in removing graffiti from the submitted samples.

On-site testing is always recommended to ensure the desired result. Heavy graffiti staining may require more than one application of the graffiti remover.

## RECOMMENDATIONS: Graffiti Resistance

Recommendations for graffiti resistance for each type of CMU submitted by Westbrook Concrete Block, Westbrook, CT are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective on average for providing graffiti repellency and the product that was most effective on average at removing the graffiti on all types submitted. Heavy graffiti staining may require more than one application of the graffiti remover.

Sample	Graffiti Repellents	Graffiti Removers
Ground Face "335" CMU	<sup>1</sup> Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra OR <sup>2</sup> Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	Enviro Klean® SafStrip® 8 OR Defacer Eraser® Graffiti Remover
Smooth Moulded "608" CMU		
Split Face "111" CMU		
Split Face "162" CMU		
Split Face "308" CMU		

NOTE: "1" indicates the most effective product and "2" indicates the second most effective product.

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.



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.