



Pallet Tag Program Laboratory Report

Watkins Concrete Block Company
Omaha, NE



Project No. 2102-04 PTP

Prepared For:



PROSOCO

Prepared By:

J. Lucas Comadoll

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Project Testing Technician
AMT Laboratories

April 2021



LABORATORY REPORT

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FOR: John Wattjes, Watkins Concrete Block Company
cc: Mike Dickey
Clay Witt, PROSOCO, Inc.
Jake Boyer, PROSOCO, Inc.
Al Morris, PROSOCO, Inc.

SUBJECT: Watkins Concrete Block Company
Omaha, NE
Pallet Tag Evaluation

DATE: April 22, 2021
PROJECT: 2102-04 PTP

SAMPLES SUBMITTED: 22 types of CMUs

Block	Name	Color	Size
(4) Smooth Face CMU	"Biscotti"	Buff	15.5" x 7.5"
(4) Smooth Face CMU	"Champagne"	White	15.5" x 7.5"
(4) Smooth Face CMU	"Chocolate"	Dark Brown	15.5" x 7.5"
(4) Smooth Face CMU	"Fine Smoke"	Gray	15.5" x 7.5"
(4) Smooth Face CMU	"Goldenrod"	Orange	15.5" x 7.5"
(4) Smooth Face CMU	"Marble"	White	15.5" x 7.5"
(4) Smooth Face CMU	"Putty"	White	15.5" x 7.5"
(4) Smooth Face CMU	"Sahara"	Brown	15.5" x 7.5"
(4) Smooth Face CMU	"Sand"	Light Brown	15.5" x 7.5"
(4) Smooth Face CMU	"Smoke"	Gray	15.5" x 7.5"
(4) Smooth Face CMU	"Tile Red"	Red	15.5" x 7.5"

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SAMPLES SUBMITTED: (cont.)

Block	Name	Color	Size
(4) Rockface CMU	"Biscotti"	Buff	15.5" x 7.5"
(4) Rockface CMU	"Champagne"	White	15.5" x 7.5"
(4) Rockface CMU	"Chocolate"	Dark Brown	15.5" x 7.5"
(4) Rockface CMU	"Fine Smoke"	Gray	15.5" x 7.5"
(4) Rockface CMU	"Goldenrod"	Orange	15.5" x 7.5"
(4) Rockface CMU	"Marble"	White	15.5" x 7.5"
(4) Rockface CMU	"Putty"	White	15.5" x 7.5"
(4) Rockface CMU	"Sahara"	Brown	15.5" x 7.5"
(4) Rockface CMU	"Sand"	Light Brown	15.5" x 7.5"
(4) Rockface CMU	"Smoke"	Gray	15.5" x 7.5"
(4) Rockface CMU	"Tile Red"	Red	15.5" x 7.5"

SUBMITTED BY: John Wattjes
Watkins Concrete Block Company
14306 Giles Road
Omaha, NE 68138

PURPOSE OF TEST:

- To determine the most appropriate PROSOCO, Inc. new construction cleaner(s) for 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.

PRODUCTS EVALUATED:

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

Water Repellency	Dilution:
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	N/A*
Sure Klean® Weather Seal Siloxane WB Concentrate	1:9

Graffiti Resistance	Dilution:
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	N/A*

Graffiti Removal	Dilution:
Enviro Klean® SafStrip® 8	N/A*
Sure Klean® 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® Custom Masonry Cleaner and Enviro Klean® Safety Klean were evaluated to determine the optimal concentration of cleaner which leaves the external surface looking most like the natural through-body color of the CMU.

Color uniformity was evaluated by comparing aggregate exposure and surface pigment alteration/removal of each cleaned surface compared to the natural through-body color of the CMU.

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 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.

Cleaning Procedure:

1. Pre-wet the surface and apply diluted cleaning solution according to PROSOCO, Inc. Product Guide instructions.
2. Allow for an appropriate dwell time and periodically agitate:

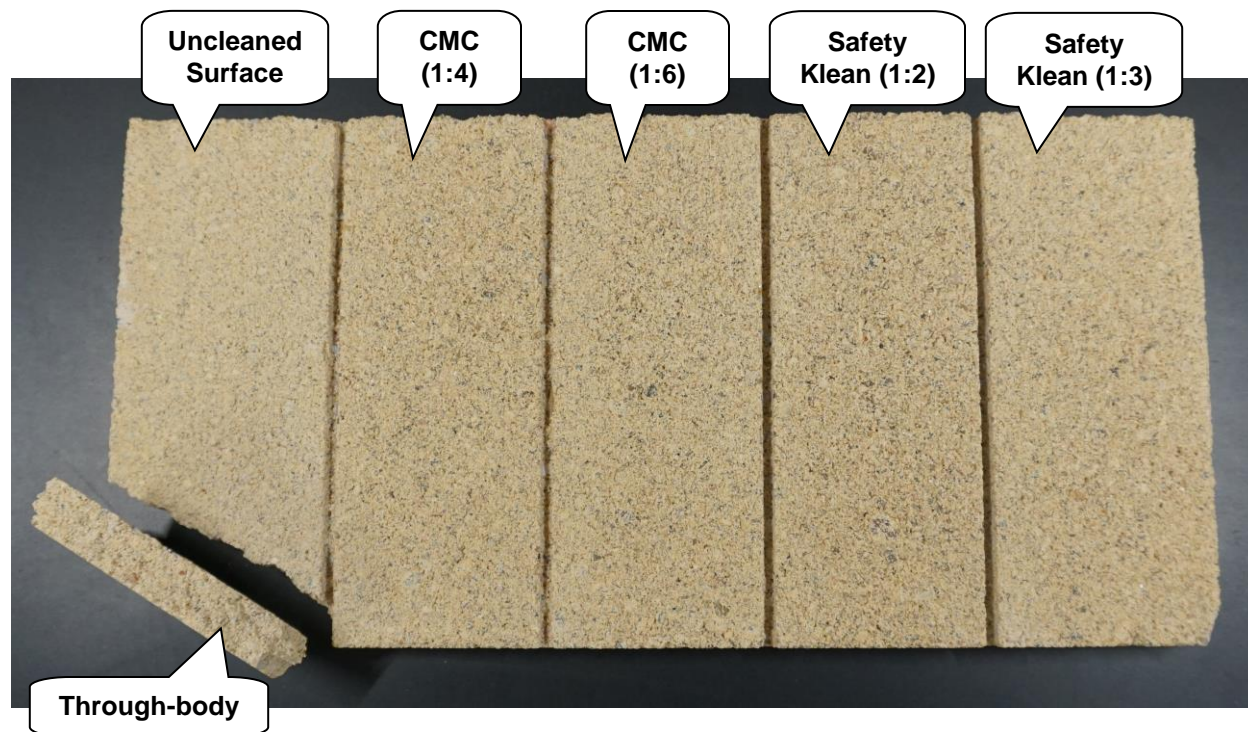
Custom Masonry Cleaner	3 minutes
Safety Klean.....	5 minutes
3. Reapply cleaning solution; do not let cleaner dry into masonry.
4. Rinse thoroughly with plenty of fresh water.*
5. Allow the sample to dry for at least 18 hours and visually examine.
6. Break the sample and compare the through-body surfaces 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 40-degree fan spray tip was used for rinsing.

TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning

Name: "Biscotti" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	1	1

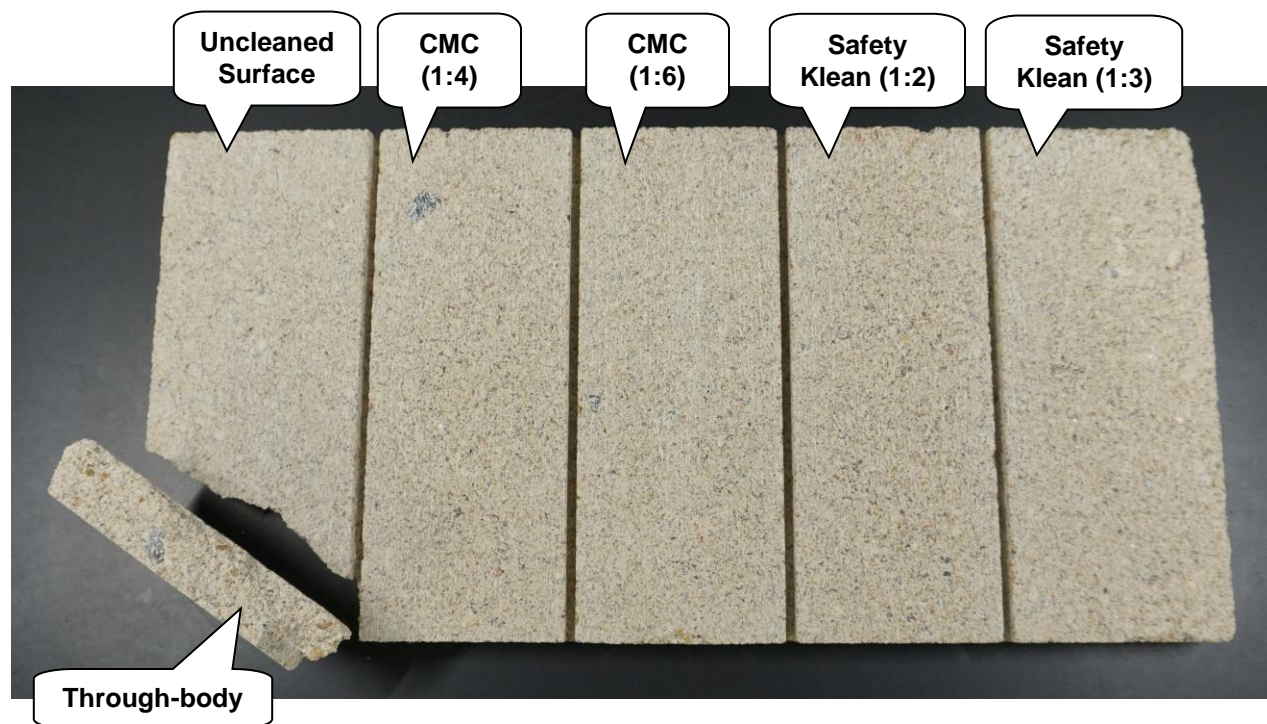
"Biscotti" Smooth Face CMU After Cleaning



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

Name: "Champagne" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	1	1
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	1	1
Safety Klean	1:3	1	1

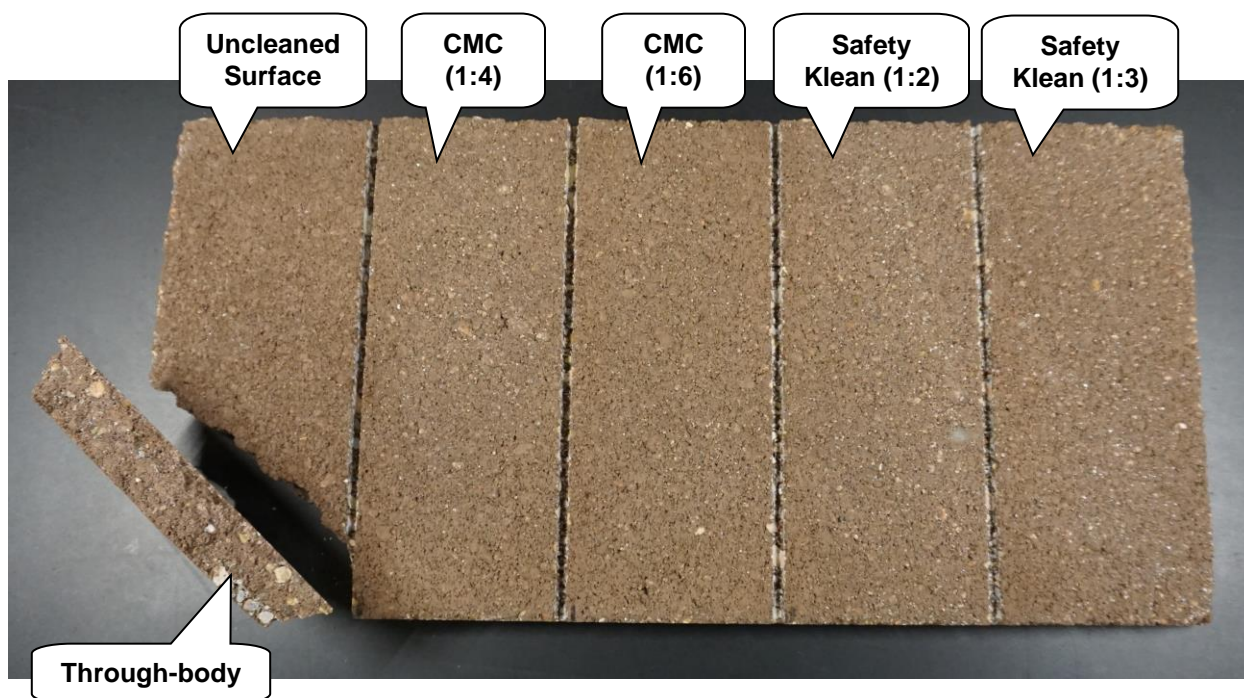
"Champagne" Smooth Face CMU After Cleaning



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

Name: "Chocolate" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	1	1

"Chocolate" Smooth Face CMU After Cleaning



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

Name: "Fine Smoke" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	1	1
Safety Klean	1:3	1	1

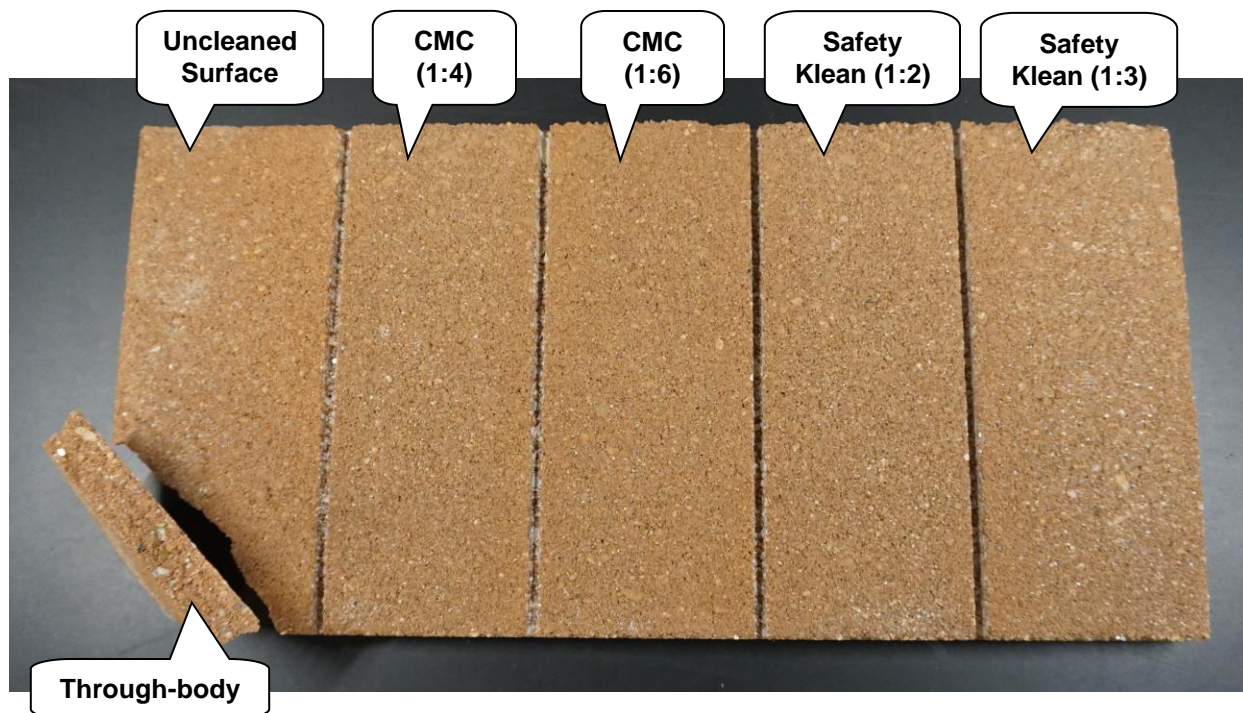
"Fine Smoke" Smooth Face CMU After Cleaning



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

Name: "Goldenrod" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	2	2

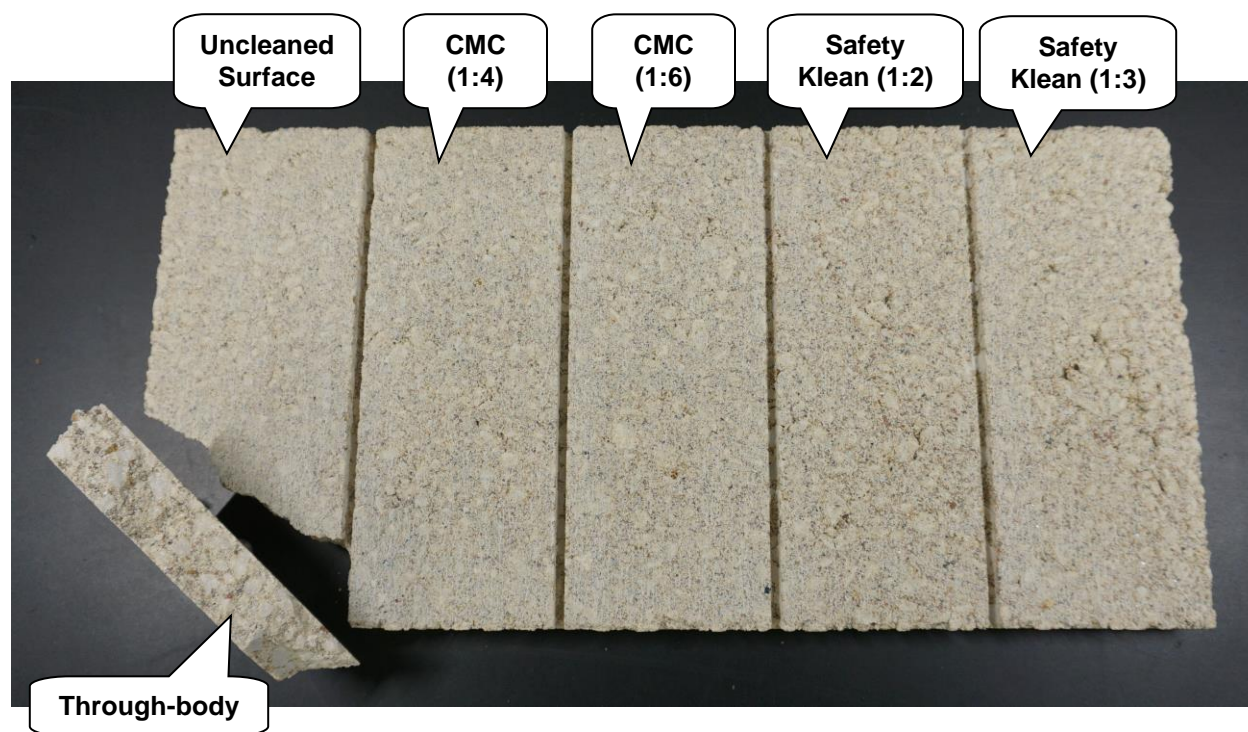
"Goldenrod" Smooth Face CMU After Cleaning



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

Name: "Marble" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	1	1
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	1	1

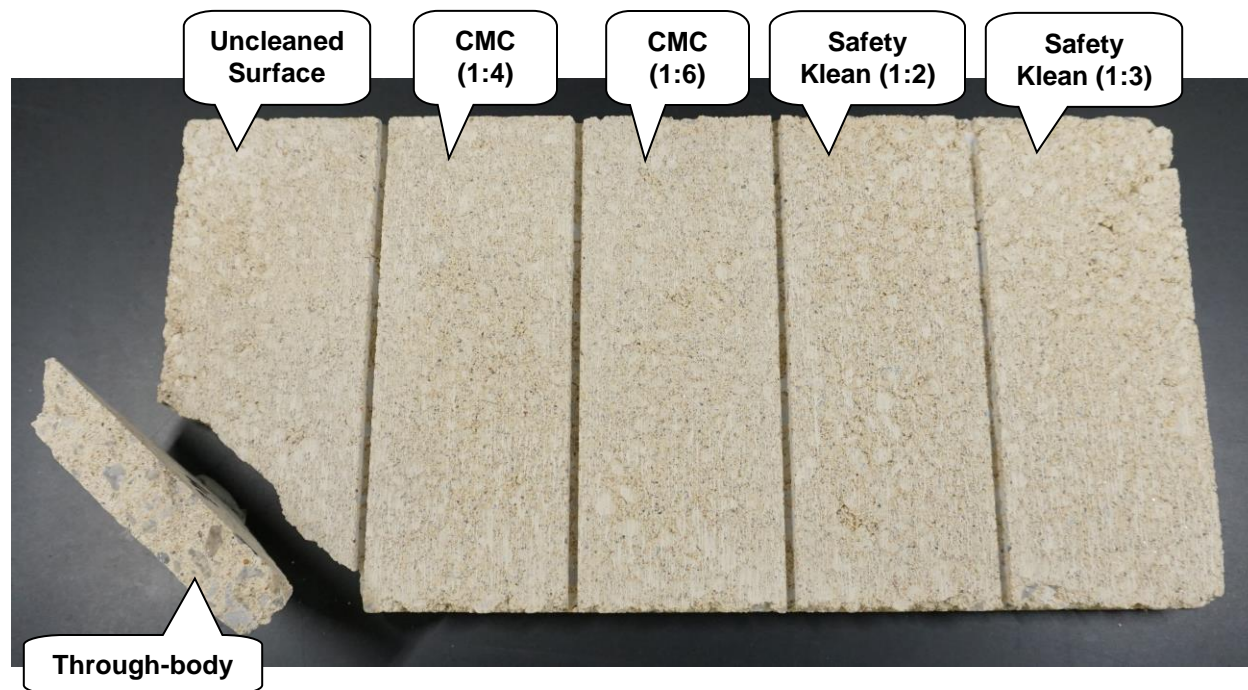
"Marble" Smooth Face CMU After Cleaning



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

Name: "Putty" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	1	1
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	2	2

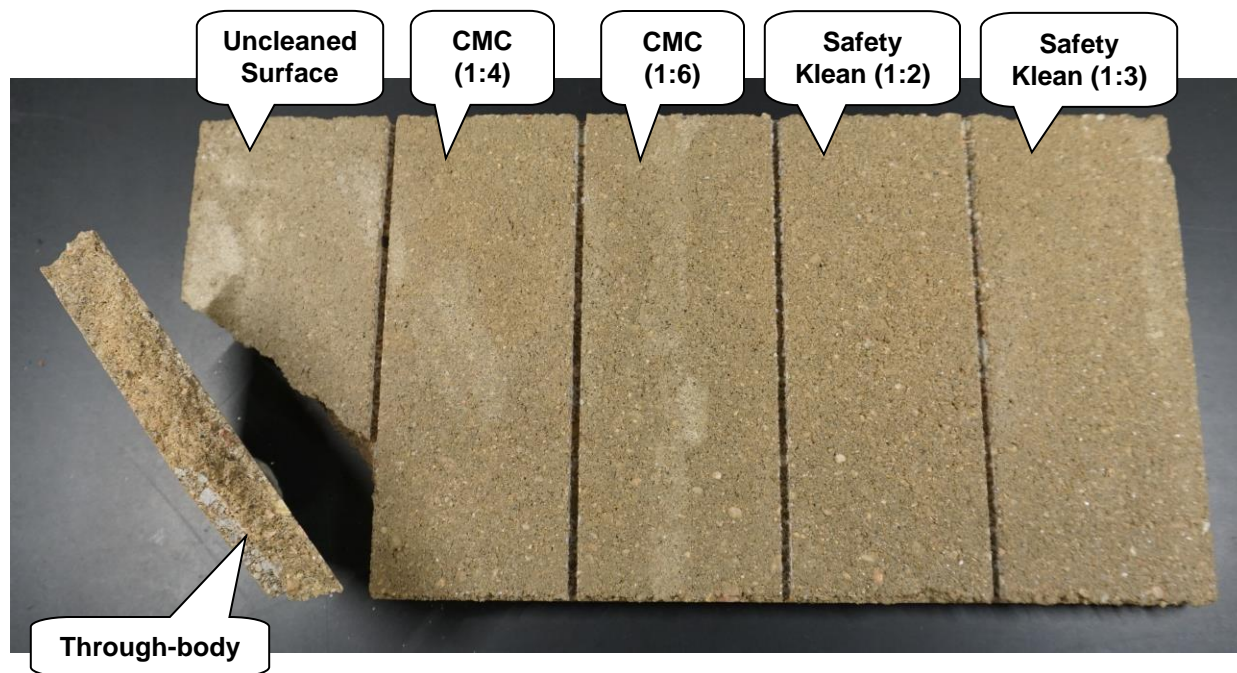
"Putty" Smooth Face CMU After Cleaning



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

Name: "Sahara" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	1	1
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	1	1

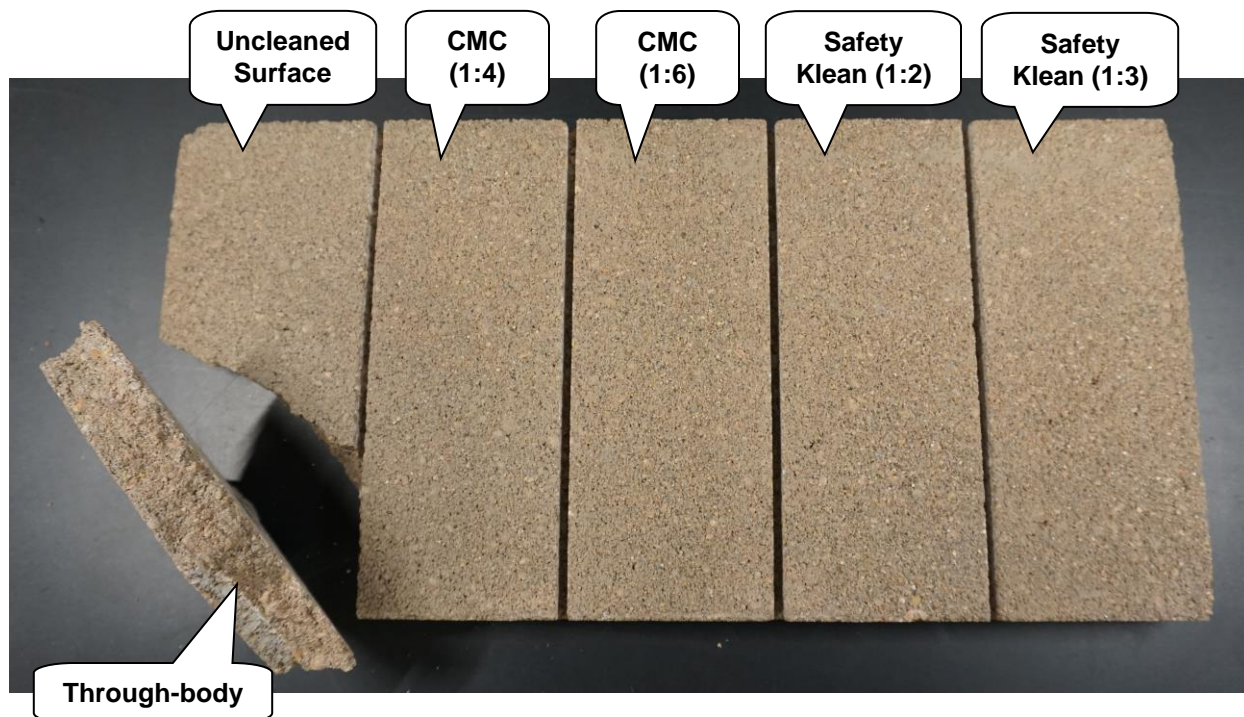
"Sahara" Smooth Face CMU After Cleaning



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

Name: "Sand" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	1	1
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	1	1
Safety Klean	1:3	1	1

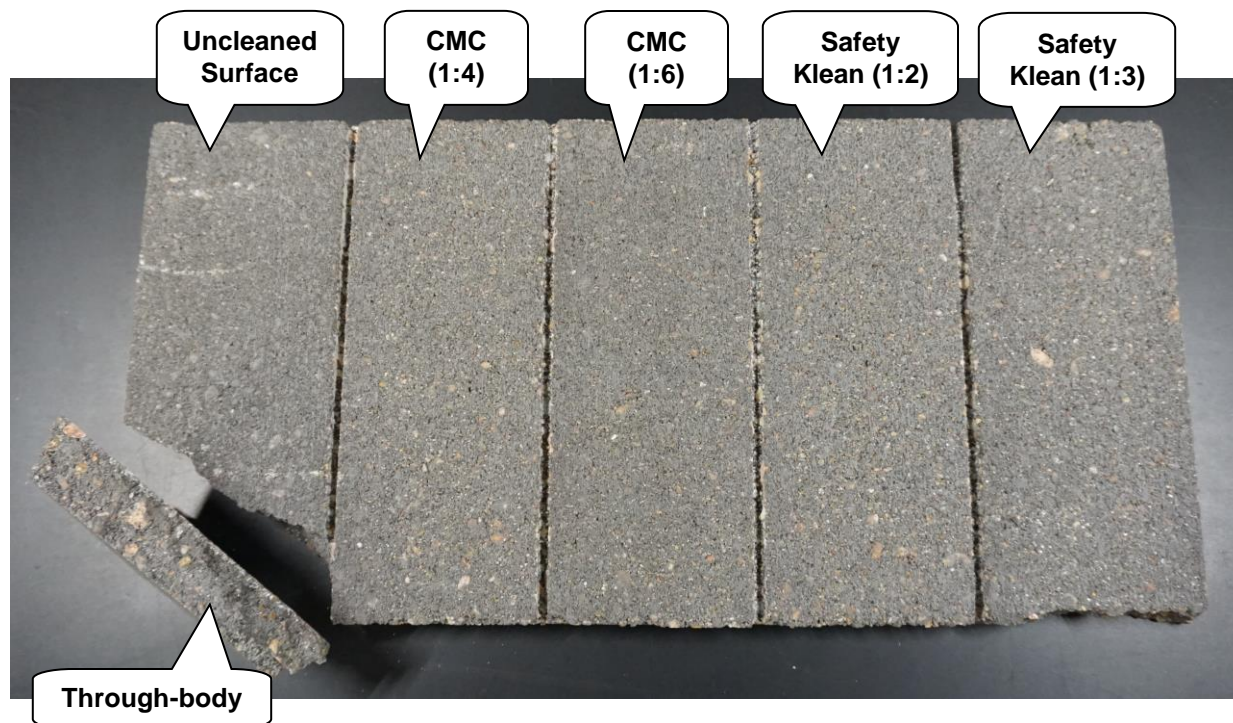
"Sand" Smooth Face CMU After Cleaning



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

Name: "Smoke" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	1	1

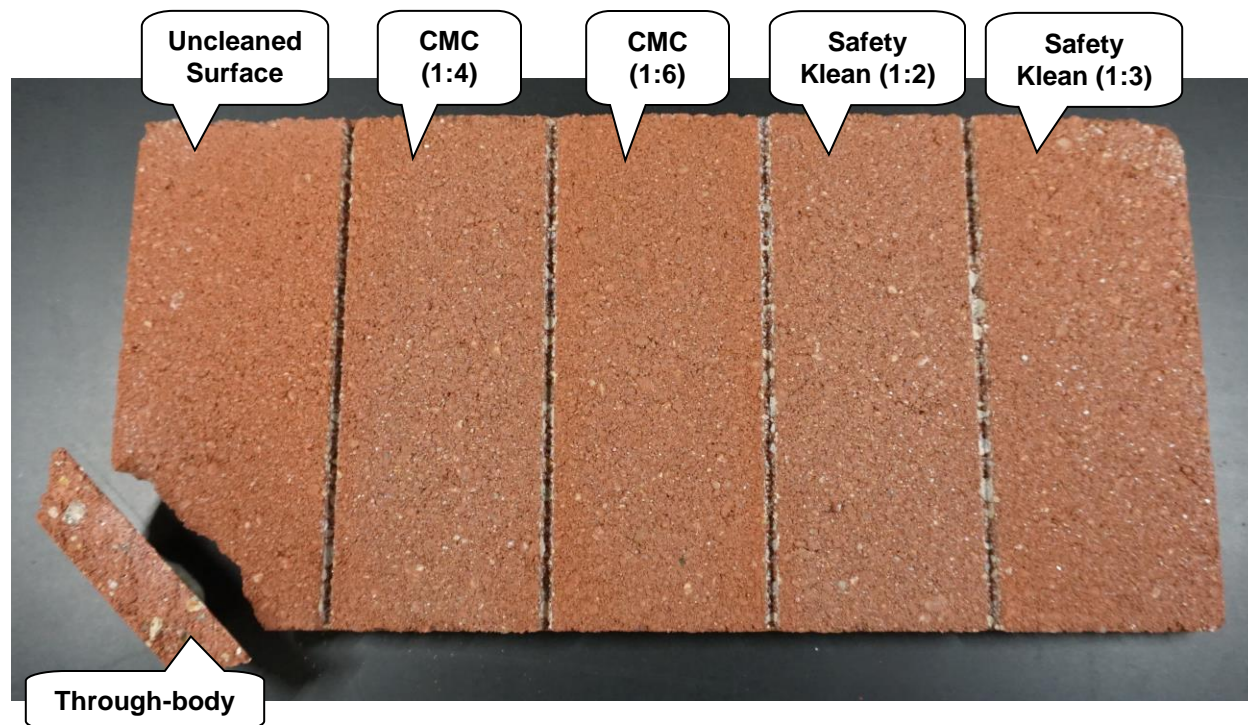
"Smoke" Smooth Face CMU After Cleaning



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

Name: "Tile Red" Smooth Face CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	1	1

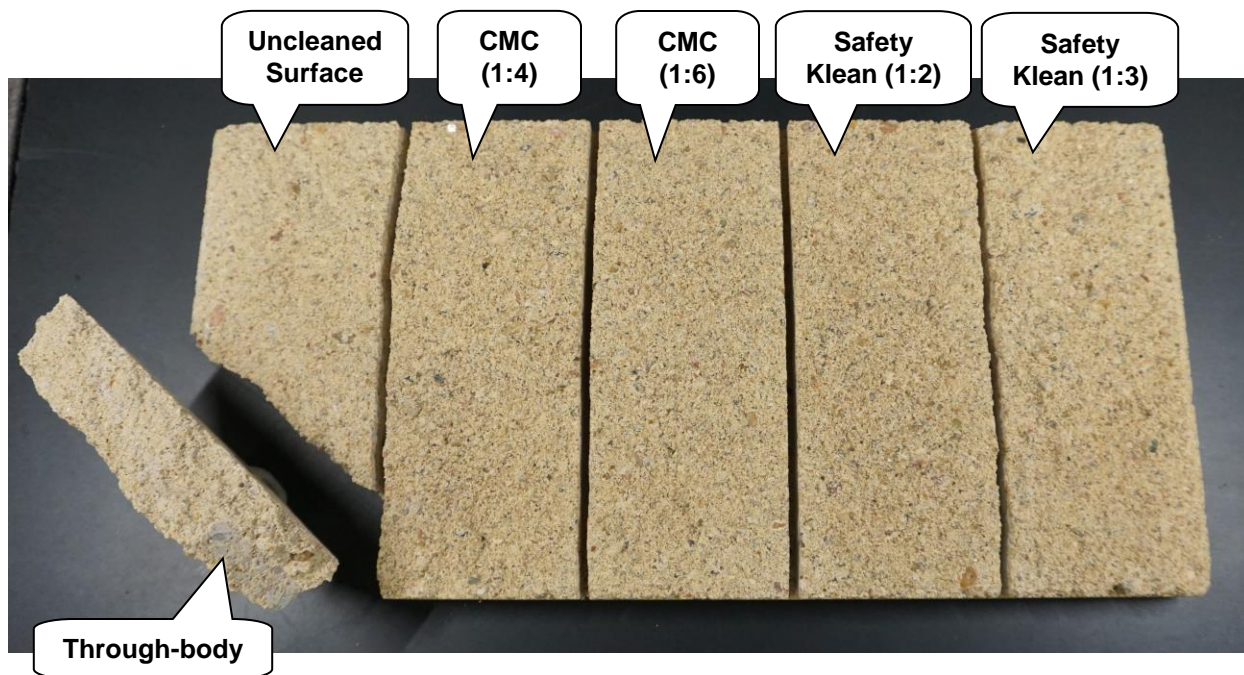
"Tile Red" Smooth Face CMU After Cleaning



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

Name: "Biscotti" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	1	1

"Biscotti" Rockface CMU After Cleaning



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

Name: "Champagne" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	1	1

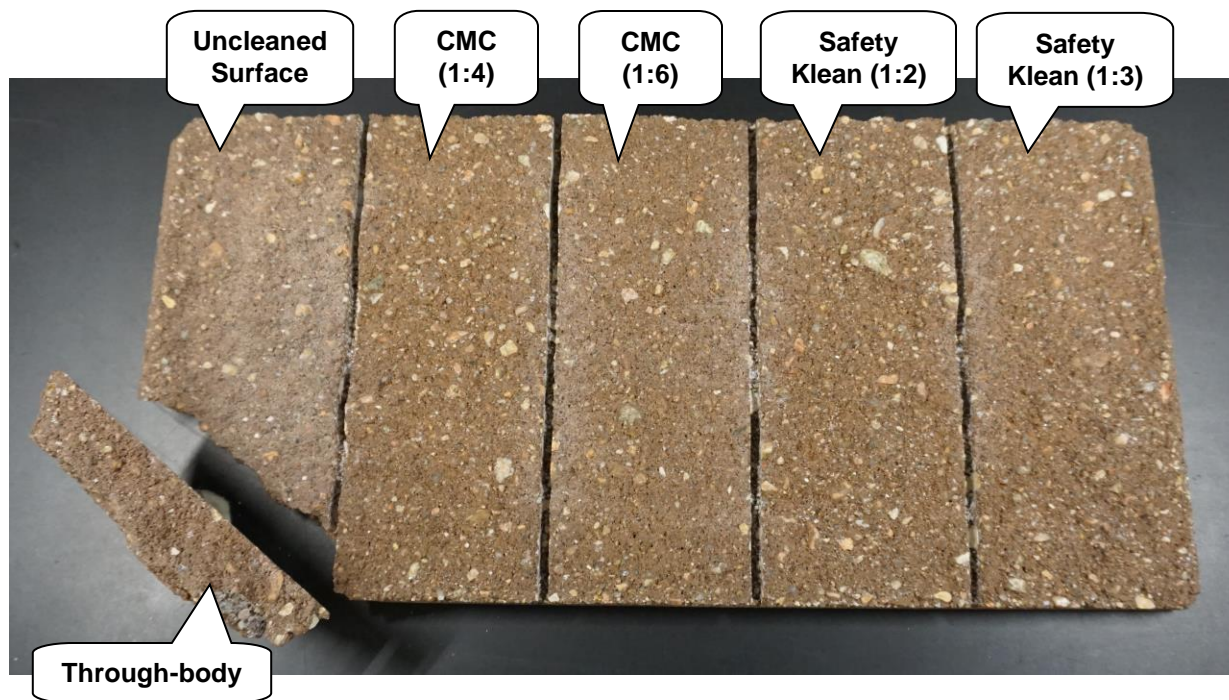
"Champagne" Rockface CMU After Cleaning



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

Name: "Chocolate" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	2	2

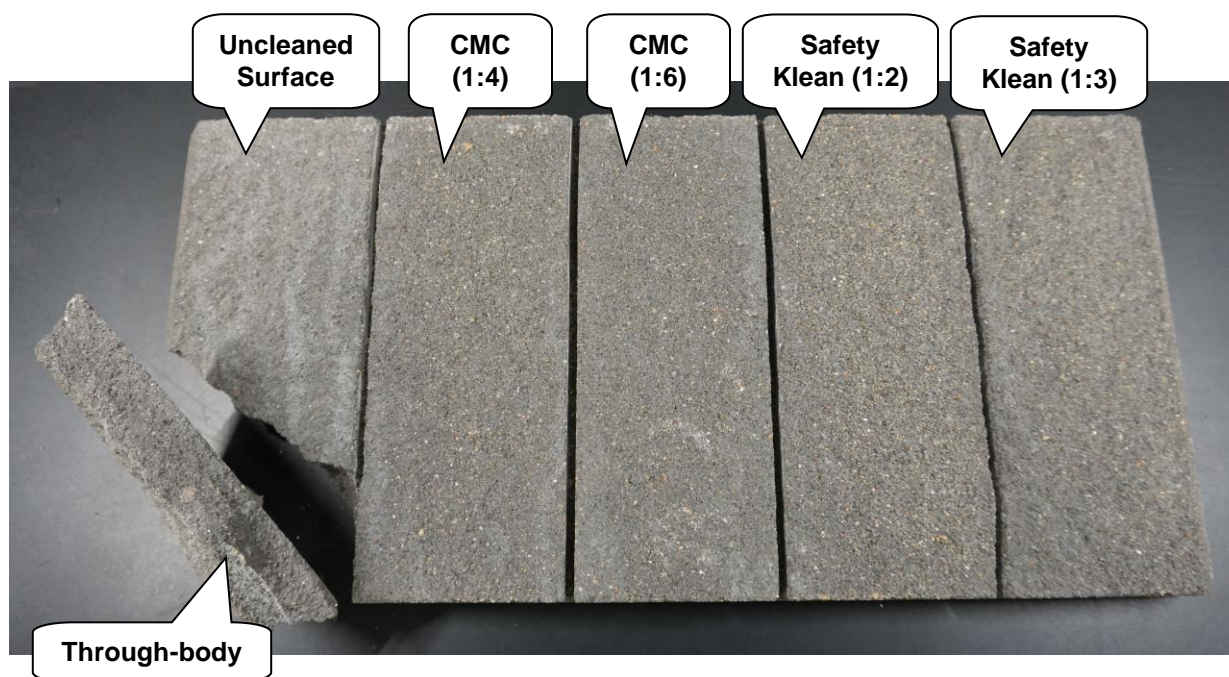
"Chocolate" Rockface CMU After Cleaning



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

Name: "Fine Smoke" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	3	3
Safety Klean	1:3	2	2

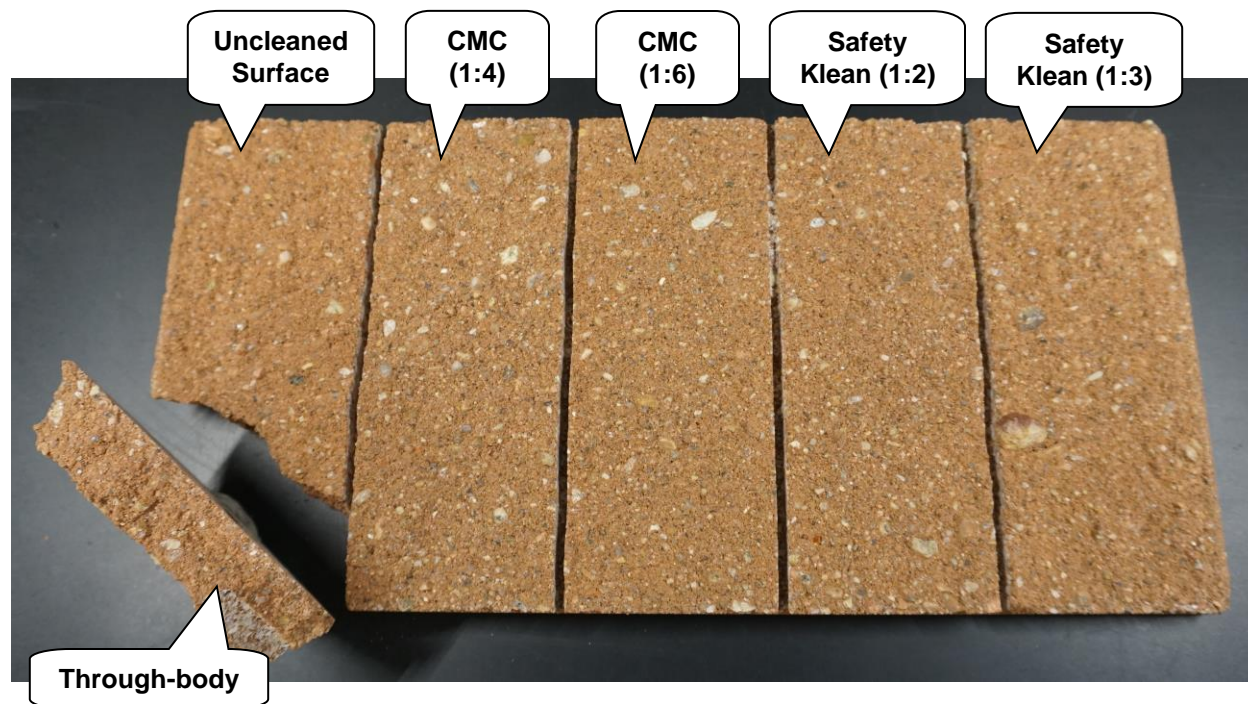
"Fine Smoke" Rockface CMU After Cleaning



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

Name: "Goldenrod" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	1	1
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	1	1
Safety Klean	1:3	1	1

"Goldenrod" Rockface CMU After Cleaning



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

Name: "Marble" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	2	2

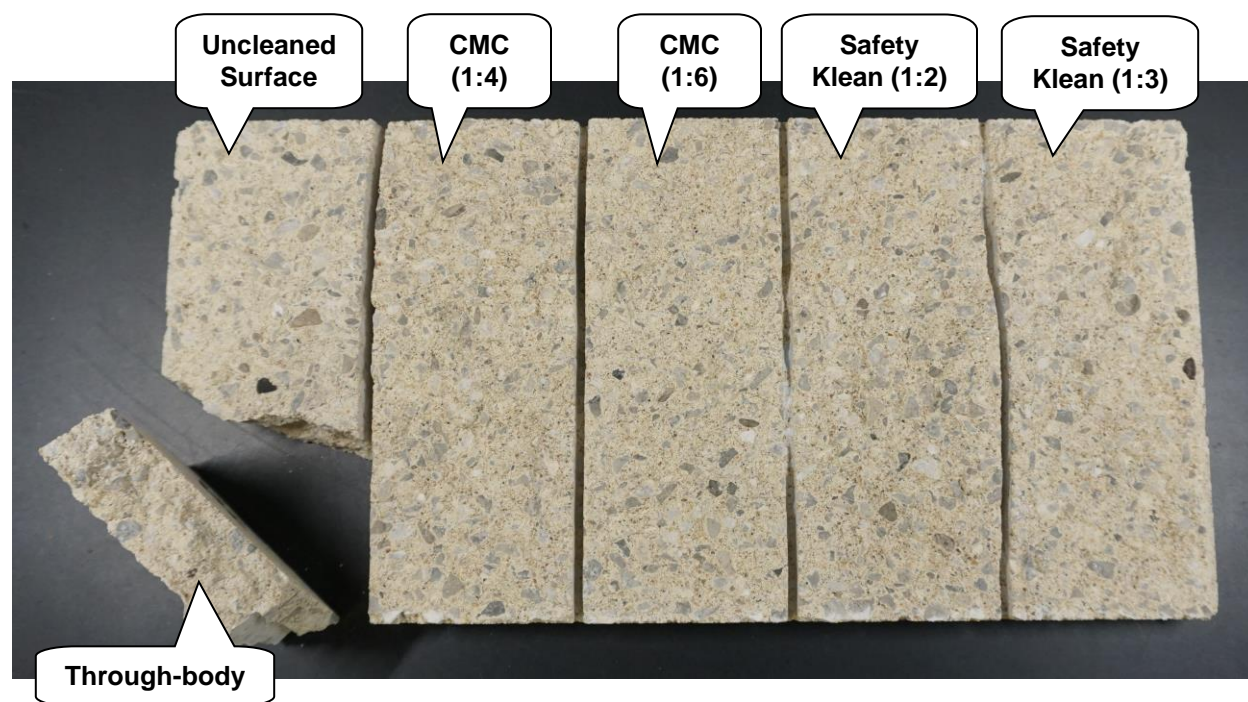
"Marble" Rockface CMU After Cleaning



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

Name: "Putty" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	1	1
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	1	1
Safety Klean	1:3	1	1

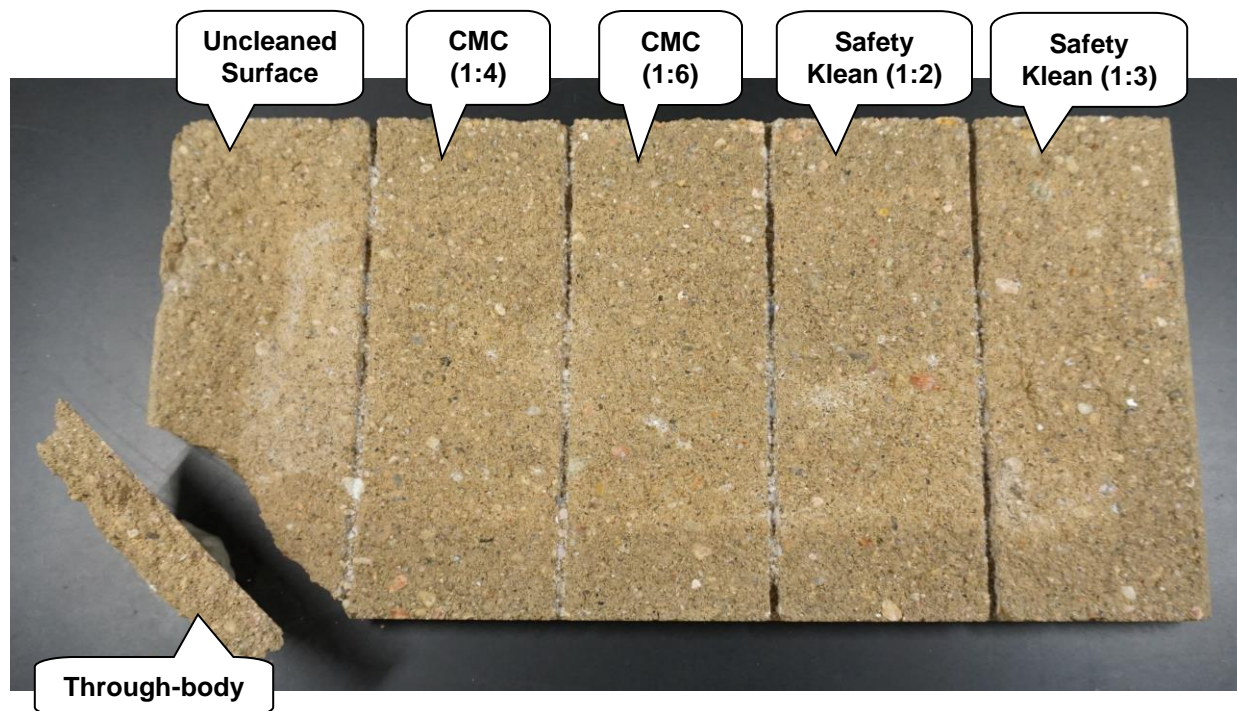
"Putty" Rockface CMU After Cleaning



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

Name: "Sahara" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	1	1
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	1	1
Safety Klean	1:3	1	1

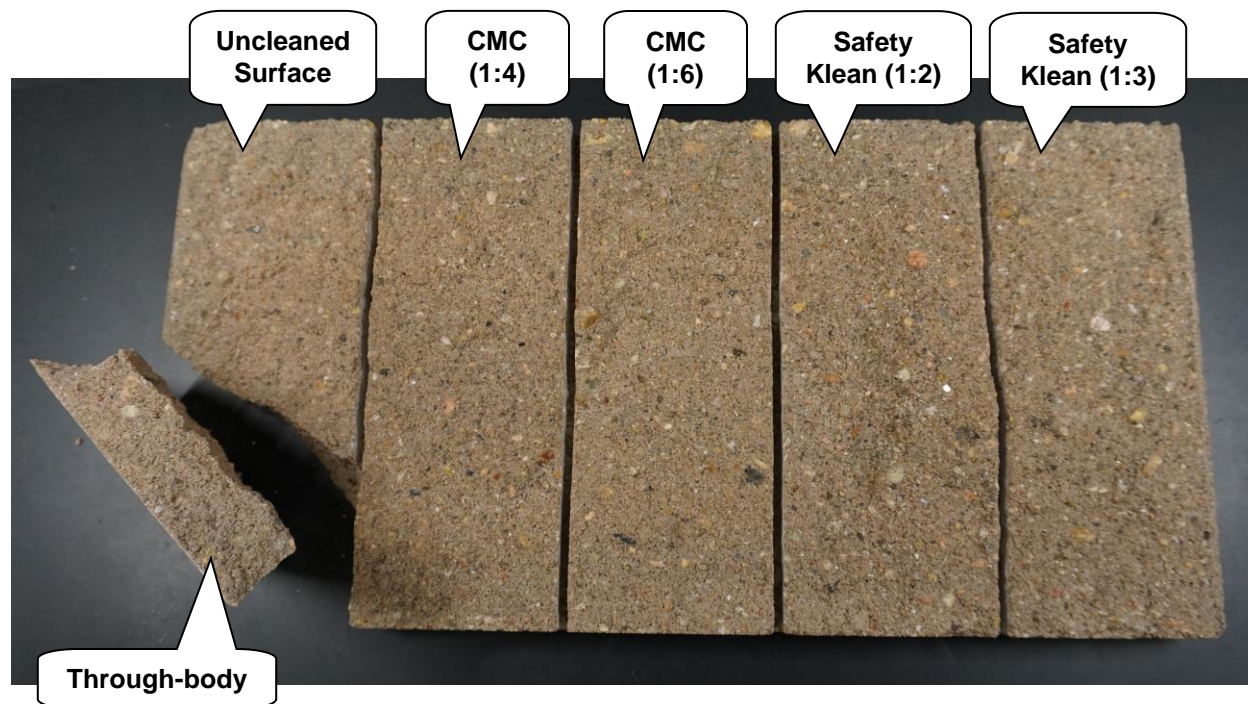
"Sahara" Rockface CMU After Cleaning



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

Name: "Sand" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	1	1
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	2	2

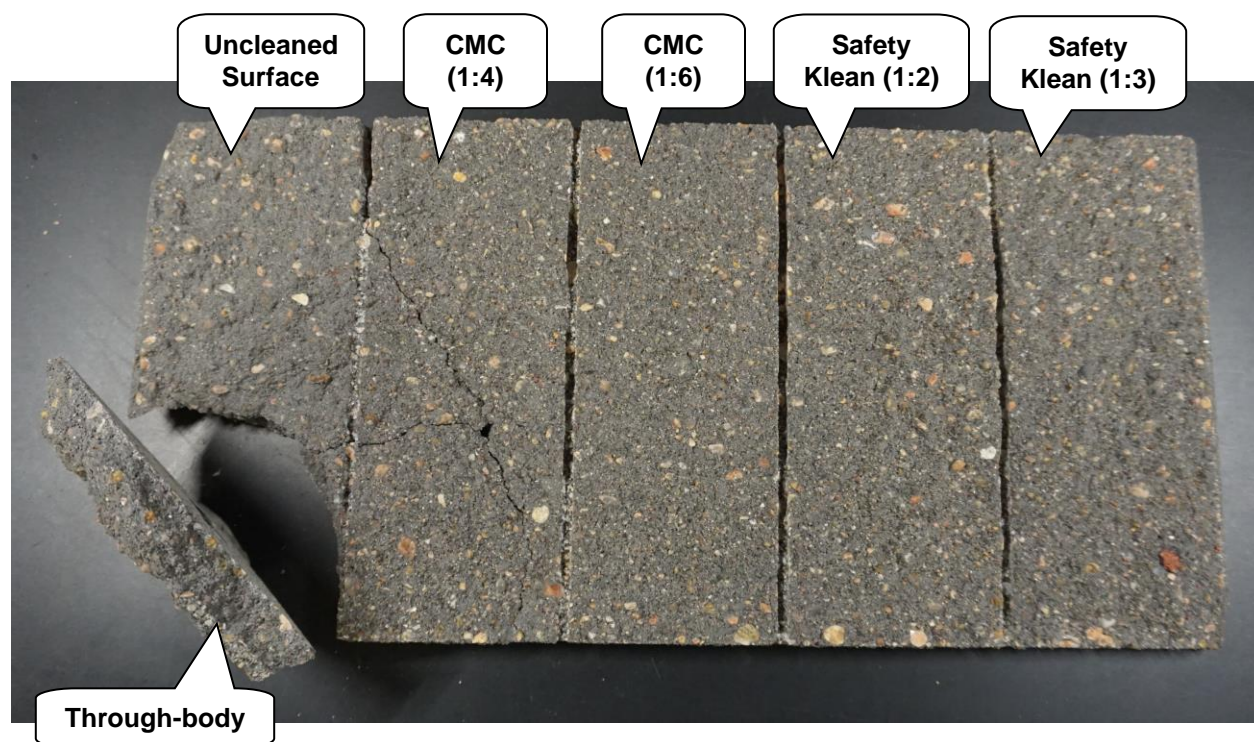
"Sand" Rockface CMU After Cleaning



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

Name: "Smoke" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	1	1
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	1	1
Safety Klean	1:3	1	1

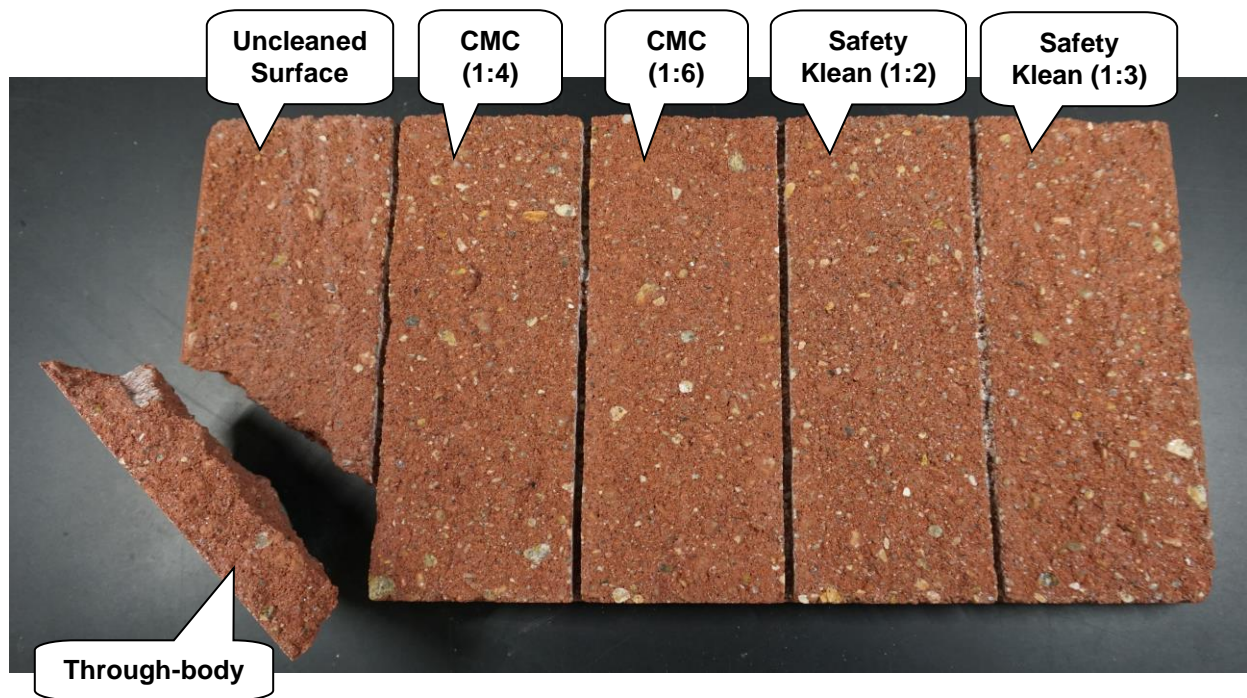
"Smoke" Rockface CMU After Cleaning



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

Name: "Tile Red" Rockface CMU			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:4	2	2
Custom Masonry Cleaner	1:6	1	1
Safety Klean	1:2	2	2
Safety Klean	1:3	1	1

"Tile Red" Rockface CMU After Cleaning



CONCLUSIONS: New Construction Cleaning

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

Worth noting, Enviro Klean® Safety Klean diluted with two parts water removed a significant amount of surface pigment from the “Fine Smoke” Rockface CMU, exposing a significant amount of aggregate. For this reason, this dilution is not recommended for use on the “Fine Smoke” Rockface CMU.

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

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 concentrations 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.

RECOMMENDATIONS: New Construction Cleaning

Recommendations for cleaning for each type of Smooth Face CMU submitted by Watkins Concrete Block Company, Omaha, NE 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
"Biscotti" Smooth Face CMU	Sure Klean® Custom Masonry Cleaner (1:4) or (1:6) OR Enviro Klean® Safety Klean (1:2) or (1:3)
"Champagne" Smooth Face CMU	
"Chocolate" Smooth Face CMU	
"Fine Smoke" Smooth Face CMU	
"Goldenrod" Smooth Face CMU	
"Marble" Smooth Face CMU	
"Putty" Smooth Face CMU	
"Sahara" Smooth Face CMU	
"Sand" Smooth Face CMU	
"Smoke" Smooth Face CMU	
"Tile Red" Smooth Face 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.

RECOMMENDATIONS: New Construction Cleaning (cont.)

Recommendations for cleaning for each type of Rockface CMU submitted by Watkins Concrete Block Company, Omaha, NE 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
"Biscotti" Rockface CMU	Sure Klean® Custom Masonry Cleaner (1:4) or (1:6) OR Enviro Klean® Safety Klean (1:2) or (1:3)
"Champagne" Rockface CMU	
"Chocolate" Rockface CMU	
"Fine Smoke" Rockface CMU	Sure Klean® Custom Masonry Cleaner (1:4) or (1:6) OR Enviro Klean® Safety Klean (1:3)
"Goldenrod" Rockface CMU	Sure Klean® Custom Masonry Cleaner (1:4) or (1:6) OR Enviro Klean® Safety Klean (1:2) or (1:3)
"Marble" Rockface CMU	
"Putty" Rockface CMU	
"Sahara" Rockface CMU	
"Sand" Rockface CMU	
"Smoke" Rockface CMU	
"Tile Red" Rockface 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.

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 15, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control, 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.

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 – No enhancement compared to untreated control
1 – Slight enhancement compared to untreated control
2 – Moderate enhancement compared to untreated control
3 – Significant enhancement compared to untreated control

TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement

“Biscotti” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	0	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Champagne” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

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

“Chocolate” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Fine Smoke” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Goldenrod” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Marble” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	0	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

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

“Putty” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	0	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Sahara” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Sand” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	0	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Smoke” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

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

“Tile Red” Smooth Face CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Biscotti” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Champagne” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Chocolate” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

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

“Fine Smoke” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Goldenrod” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Marble” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Putty” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

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

“Sahara” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Sand” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

“Smoke” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

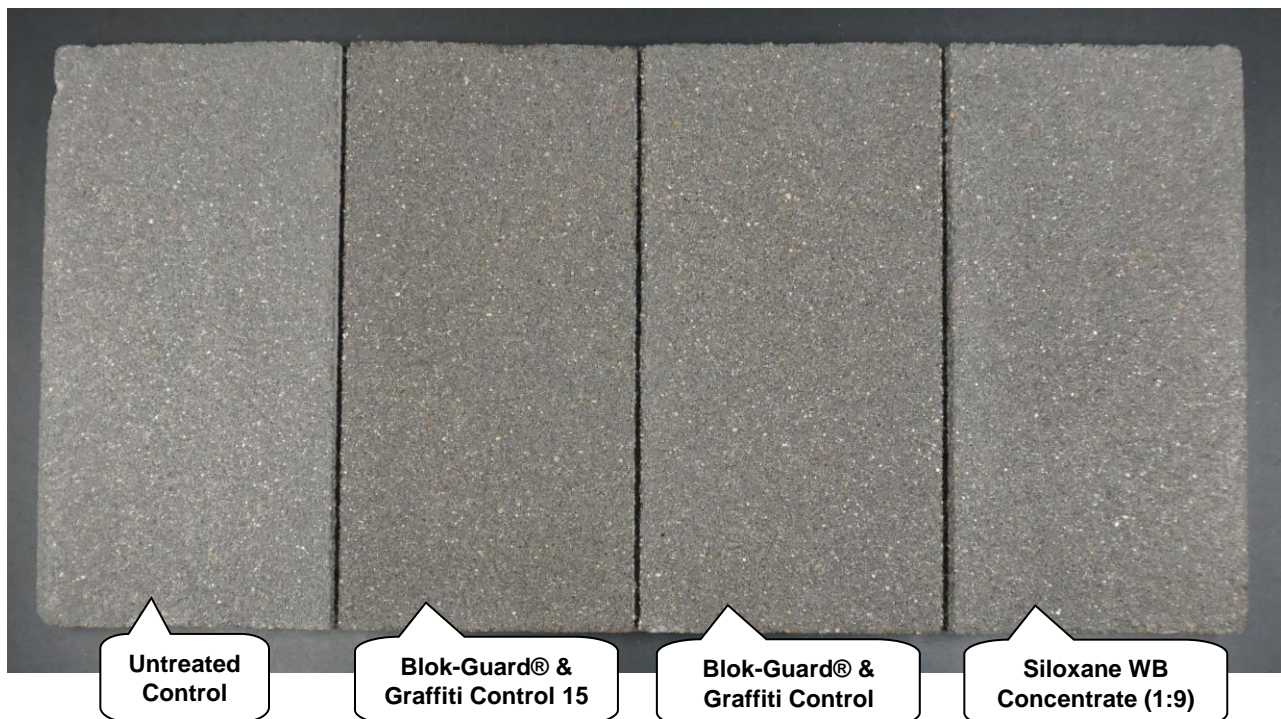
“Tile Red” Rockface CMU	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	0	0

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

Smooth Face “Biscotti” CMU with Treatments



Smooth Face “Fine Smoke” CMU with Treatments

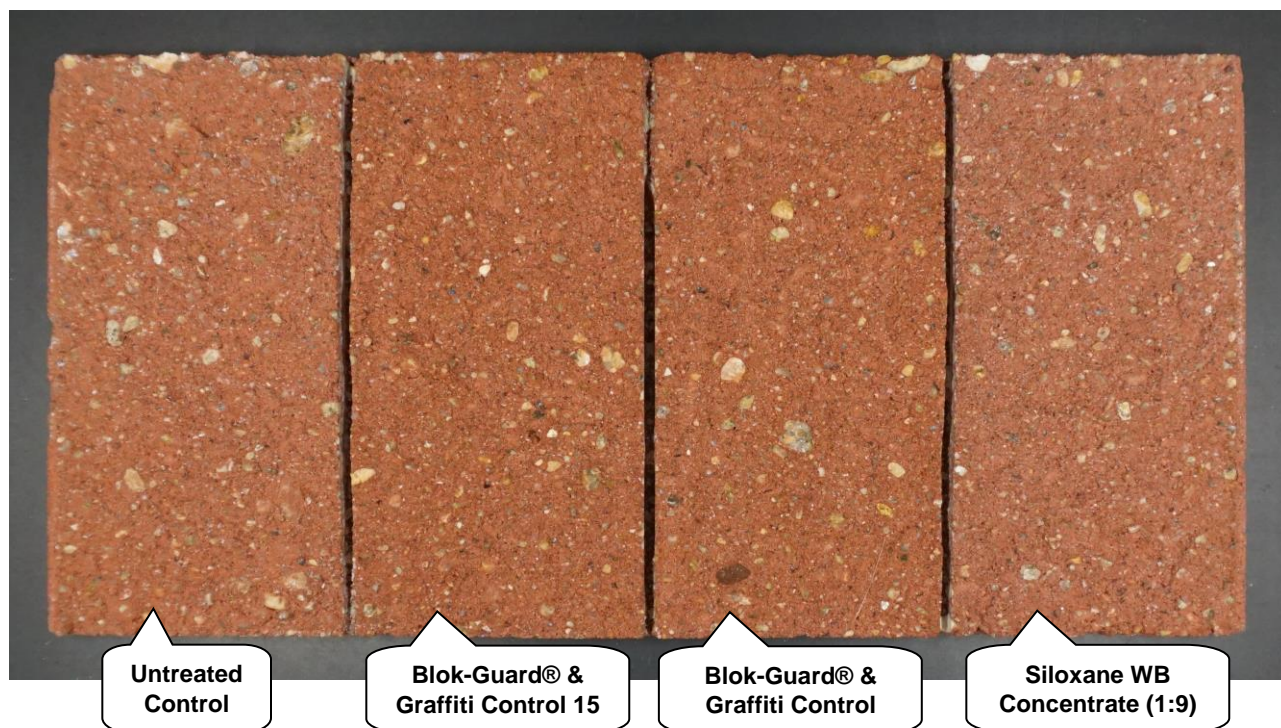


TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)

Rockface “Sand” CMU with Treatments



Rockface “Tile Red” CMU with Treatments



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 15 most often resulted in moderate color enhancement to each sample. Application of Sure Klean® Weather Seal Blok-Guard® & Graffiti Control most often 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.

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 Smooth Face CMU submitted by Watkins Concrete Block Company, Omaha, NE are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Color and Sheen Enhancement
"Biscotti" Smooth Face CMU	<p>Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 (Recommended if moderate color enhancement is desired) OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control (Recommended if slight color enhancement is desired) OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) (Recommended if no color enhancement is desired)</p>
"Champagne" Smooth Face CMU	
"Chocolate" Smooth Face CMU	
"Fine Smoke" Smooth Face CMU	
"Goldenrod" Smooth Face CMU	
"Marble" Smooth Face CMU	
"Putty" Smooth Face CMU	
"Sahara" Smooth Face CMU	
"Sand" Smooth Face CMU	
"Smoke" Smooth Face CMU	
"Tile Red" Smooth Face 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.

RECOMMENDATIONS: Color and Sheen Enhancement (cont.)

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

Sample	Color and Sheen Enhancement
"Biscotti" Rockface CMU	<p>Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 (Recommended if moderate color enhancement is desired) OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control (Recommended if slight color enhancement is desired) OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) (Recommended if no color enhancement is desired)</p>
"Champagne" Rockface CMU	
"Chocolate" Rockface CMU	
"Fine Smoke" Rockface CMU	
"Goldenrod" Rockface CMU	
"Marble" Rockface CMU	
"Putty" Rockface CMU	
"Sahara" Rockface CMU	
"Sand" Rockface CMU	
"Smoke" Rockface CMU	
"Tile Red" Rockface 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.

Water Absorption Tube Test of Smooth Face “Smoke” CMU



TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents

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

“Biscotti” Smooth Face CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

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

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

"Champagne" Smooth Face CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

"Chocolate" Smooth Face CMU	
Untreated Control	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

"Fine Smoke" Smooth Face CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

"Goldenrod" Smooth Face CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

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

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

“Marble” Smooth Face CMU	
Untreated Control	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

“Putty” Smooth Face CMU	
Untreated Control	52 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

“Sahara” Smooth Face CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

“Sand” Smooth Face CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

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

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

“Smoke” Smooth Face CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

“Tile Red” Smooth Face CMU	
Untreated Control	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

“Biscotti” Rockface CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

“Champagne” Rockface CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

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

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

“Chocolate” Rockface CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

“Fine Smoke” Rockface CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

“Goldenrod” Rockface CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

“Marble” Rockface CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

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

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

"Putty" Rockface CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

"Sahara" Rockface CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

"Sand" Rockface CMU	
Untreated Control	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

"Smoke" Rockface CMU	
Untreated Control	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	60 mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60 mph

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

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

“Tile Red” Rockface CMU	
Untreated Control	<40 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	60 mph
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	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 Smooth Face CMU submitted by Watkins Concrete Block Company, Omaha, NE are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Water Repellency
"Biscotti" Smooth Face CMU	<p>Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 (Recommended if moderate color enhancement is desired) OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control (Recommended if slight color enhancement is desired) OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) (Recommended if no color enhancement is desired)</p>
"Champagne" Smooth Face CMU	
"Chocolate" Smooth Face CMU	
"Fine Smoke" Smooth Face CMU	
"Goldenrod" Smooth Face CMU	
"Marble" Smooth Face CMU	
"Putty" Smooth Face CMU	
"Sahara" Smooth Face CMU	
"Sand" Smooth Face CMU	
"Smoke" Smooth Face CMU	
"Tile Red" Smooth Face 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.

RECOMMENDATIONS: Protective Water Repellents (cont.)

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

Sample	Water Repellency
"Biscotti" Rockface CMU	<p>Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 (Recommended if moderate color enhancement is desired) OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control (Recommended if slight color enhancement is desired) OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) (Recommended if no color enhancement is desired)</p>
"Champagne" Rockface CMU	
"Chocolate" Rockface CMU	
"Fine Smoke" Rockface CMU	
"Goldenrod" Rockface CMU	
"Marble" Rockface CMU	
"Putty" Rockface CMU	
"Sahara" Rockface CMU	
"Sand" Rockface CMU	
"Smoke" Rockface CMU	
"Tile Red" Rockface 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: 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 Sure Klean® 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 40-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

“Biscotti” Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	5	5.0
Graffiti Remover	5	5	4	4.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	6	10	7.7
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	6	10	7.7
Graffiti Remover	8	7	10	8.3

“Champagne” Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	8	6.0
Graffiti Remover	5	5	5	5.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	9	7	10	8.7
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	8	8	10	8.7

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Chocolate” Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	6	5	7	6.0
Graffiti Remover	6	6	5	5.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	9	7	10	8.7
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	6	10	7.7
Graffiti Remover	8	7	10	8.3

“Fine Smoke” Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	7	5.7
Graffiti Remover	5	5	7	5.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	9	7	10	8.7
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	9	7	10	8.7
Graffiti Remover	9	7	10	8.7

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

"Goldenrod" Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	8	6.0
Graffiti Remover	5	5	6	5.3
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	6	10	8.0
Graffiti Remover	8	7	10	8.3

"Marble" Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	3	5	5	4.3
Graffiti Remover	3	5	3	3.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	7	10	8.0
Graffiti Remover	8	8	9	8.3

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Putty” Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	5	5.0
Graffiti Remover	5	5	5	5.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	8	8	10	8.7

“Sahara” Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	8	6.0
Graffiti Remover	5	5	8	6.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	7	10	8.0
Graffiti Remover	8	8	10	8.7

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

"Sand" Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	7	5.7
Graffiti Remover	5	5	7	5.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	6	10	7.7
Graffiti Remover	8	7	10	8.3

"Smoke" Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	8	6.0
Graffiti Remover	5	5	8	6.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	9	7	10	8.7
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	6	10	8.0
Graffiti Remover	8	7	10	8.3

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

"Tile Red" Smooth Face CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	7	5.7
Graffiti Remover	5	5	7	5.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	7	10	8.7

"Biscotti" Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	5	5.0
Graffiti Remover	5	5	5	5.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	9	8	10	9.0
Graffiti Remover	9	9	10	9.3
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	8	8	10	8.7

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Champagne” Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	4	7	5.3
Graffiti Remover	5	5	5	5.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	8	8	10	8.7

“Chocolate” Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	4	7	5.3
Graffiti Remover	5	5	5	5.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	9	10	9.3
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	7	10	8.0
Graffiti Remover	8	8	10	8.7

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

"Fine Smoke" Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	7	5.7
Graffiti Remover	4	5	7	5.3
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	7	10	8.0
Graffiti Remover	8	8	10	8.7

"Goldenrod" Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	4	5	7	5.3
Graffiti Remover	4	5	7	5.3
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	7	10	8.0
Graffiti Remover	8	8	10	8.7

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Marble” Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	3	5	4.3
Graffiti Remover	5	5	5	5.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	7	10	8.0
Graffiti Remover	8	8	9	8.3

“Putty” Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	10	6.7
Graffiti Remover	5	5	10	6.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	6	10	8.0
Graffiti Remover	8	7	10	8.3

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Sahara” Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	4	7	5.3
Graffiti Remover	5	5	7	5.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	9	7	10	8.7
Graffiti Remover	9	9	10	9.3
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0

“Sand” Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	7	5.7
Graffiti Remover	6	7	7	6.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	6	10	8.0
Graffiti Remover	10	9	10	9.7
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	6	10	8.0
Graffiti Remover	9	8	10	9.0

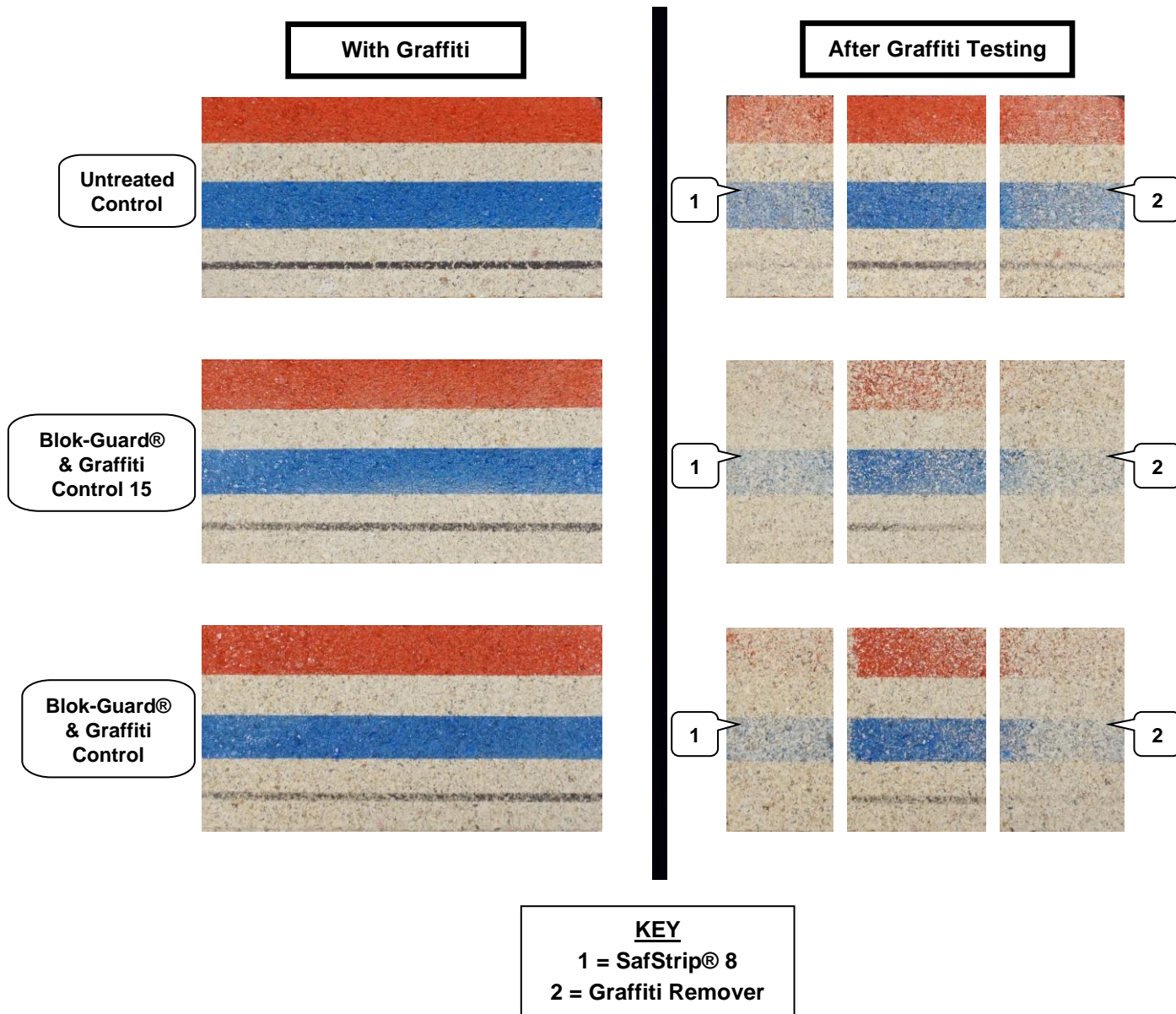
TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Smoke” Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	5	7	5.7
Graffiti Remover	5	6	5	5.3
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	9	10	9.3
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	7	7	10	8.0
Graffiti Remover	8	8	10	8.7

“Tile Red” Rockface CMU				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	5	4	7	5.3
Graffiti Remover	5	5	7	5.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	9	7	10	8.7
Graffiti Remover	9	9	10	9.3
Blok-Guard® & Graffiti Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip® 8	8	7	10	8.3
Graffiti Remover	9	8	10	9.0

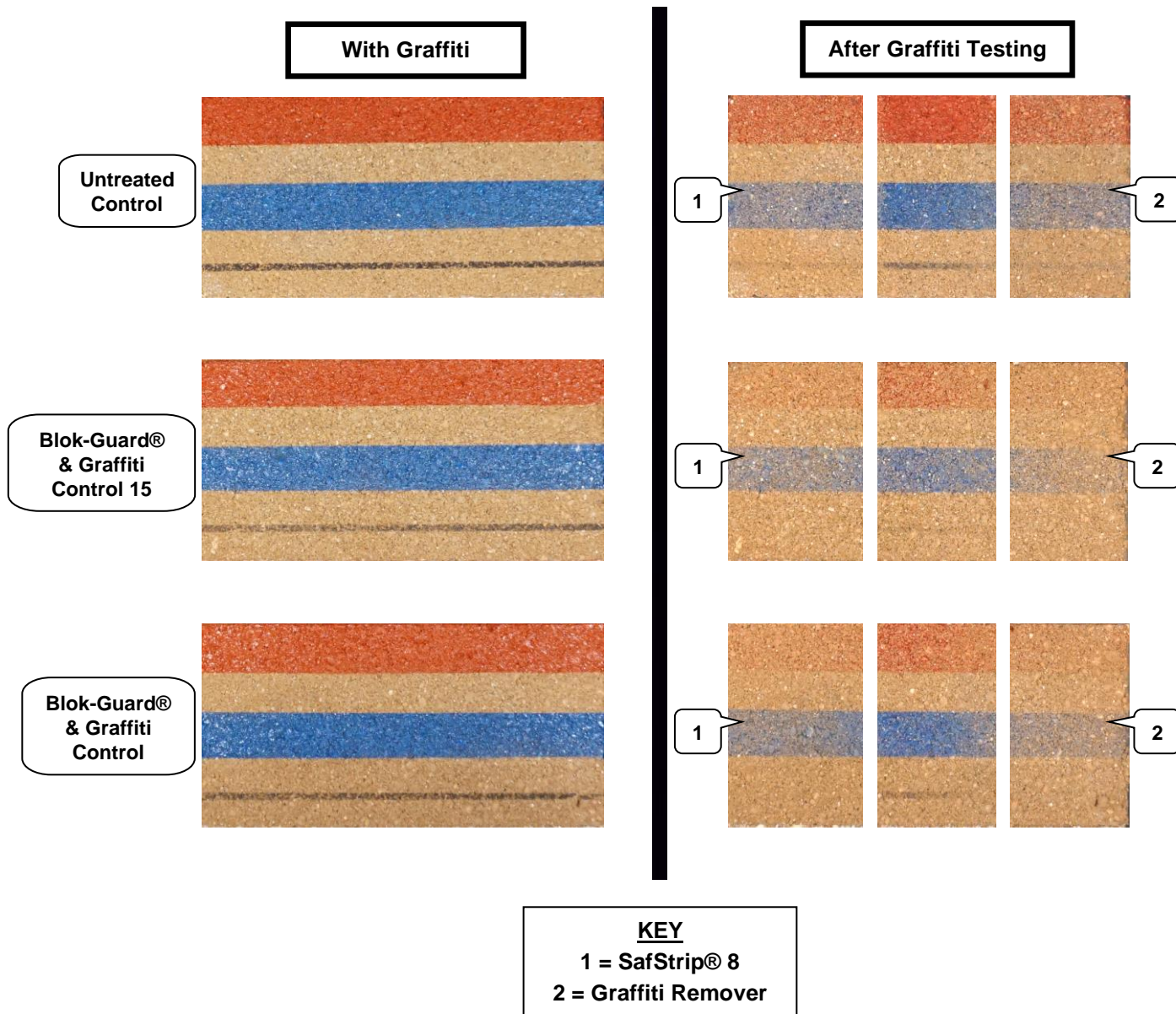
TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Champagne” Smooth Face CMU



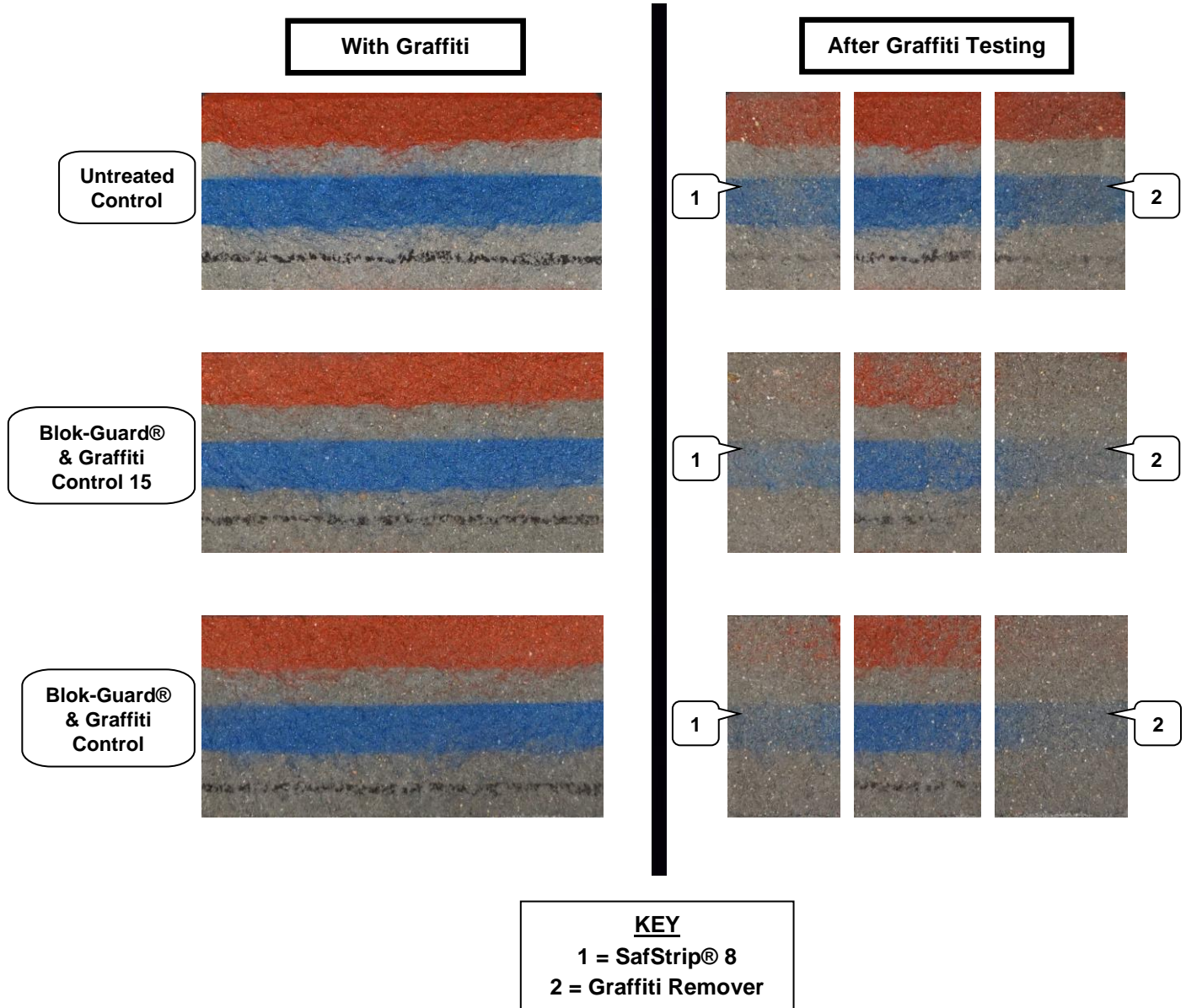
TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

"Goldenrod" Smooth Face CMU



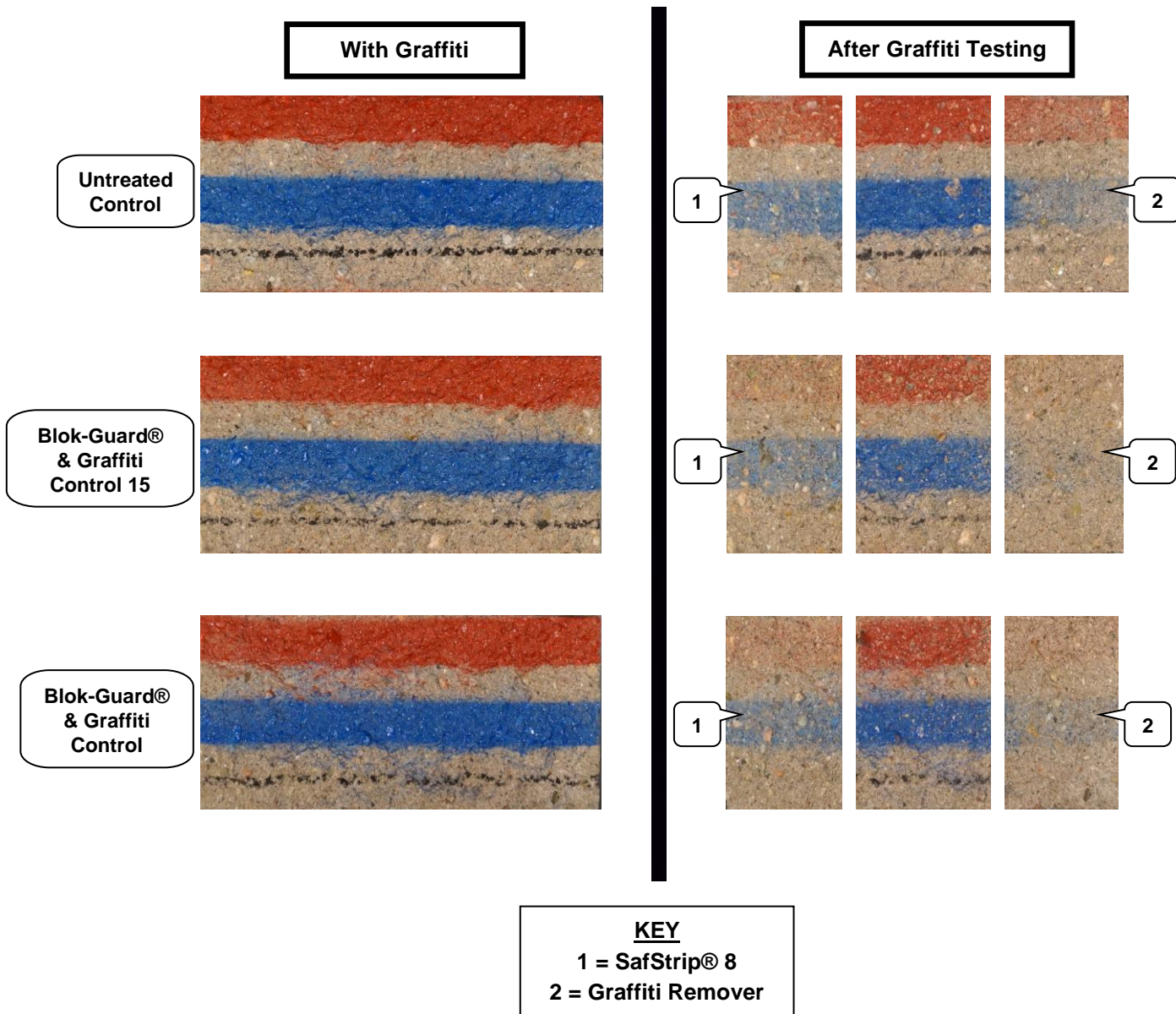
TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

"Fine Smoke" Rockface CMU



TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Sand” Rockface CMU



CONCLUSIONS: Graffiti Resistance

Based on the laboratory evaluations, graffiti removal was improved with both treatments. However, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 was the most effective treatment.

Enviro Klean® SafStrip® 8 and Sure Klean® Graffiti Remover were both effective in removing graffiti from the submitted samples. However, Sure Klean® Graffiti Remover was the most effective.

Worth noting, several of the untreated controls required additional rinsing to completely remove the Sure Klean® Graffiti Remover due to the porosity of the untreated 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 Smooth Face CMU submitted by Watkins Concrete Block Company, Omaha, NE 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
"Biscotti" Smooth Face CMU	¹ Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 OR ² Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	¹ Sure Klean® Graffiti Remover OR ² Enviro Klean® SafStrip® 8
"Champagne" Smooth Face CMU		
"Chocolate" Smooth Face CMU		
"Fine Smoke" Smooth Face CMU		
"Goldenrod" Smooth Face CMU		
"Marble" Smooth Face CMU		
"Putty" Smooth Face CMU		
"Sahara" Smooth Face CMU		
"Sand" Smooth Face CMU		
"Smoke" Smooth Face CMU		
"Tile Red" Smooth Face 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.

RECOMMENDATIONS: Graffiti Resistance (cont.)

Recommendations for graffiti resistance for each type of Rockface CMU submitted by Watkins Concrete Block Company, Omaha, NE 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
"Biscotti" Rockface CMU	¹ Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 OR ² Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	¹ Sure Klean® Graffiti Remover OR ² Enviro Klean® SafStrip® 8
"Champagne" Rockface CMU		
"Chocolate" Rockface CMU		
"Fine Smoke" Rockface CMU		
"Goldenrod" Rockface CMU		
"Marble" Rockface CMU		
"Putty" Rockface CMU		
"Sahara" Rockface CMU		
"Sand" Rockface CMU		
"Smoke" Rockface CMU		
"Tile Red" Rockface 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.