

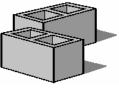
## PROSOCO, Inc.

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## ATTACHMENTS

Technical Services TECH Note RILEM Tube Test Procedures Product Data literature for all products evaluated





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### **Submitted Information**

For:	Jeff Lucas
cc:	Brian Koenings John Bourne

Subject: Building Stone Products, Inc.

Date:

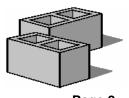
**Project:** 0412-18 PTP

Samples Submitted: 6 types of Calcium Silicate Masonry Units (CSMU's), each with a "smooth-face" and a "rock-face"

Block	Name	Color	Integral Water Repellent	Size
"Rock-face" CSMU	"Beige"	Beige	Unknown	
"Smooth-face" CSMU	Deige	Deige	Onknown	
"Rock-face" CSMU	"Croon/Boigo"	Croon/Beige	Unknown	
"Smooth-face" CSMU	"Green/Beige"	Green/Beige Unkno		
"Rock-face" CSMU		Light Drown	Unknown	24" x 8" x 4"
"Smooth-face" CSMU	"Light Brown" Light Brown th-face" CSMU		Unknown	24 X 0 X 4
"Rock-face" CSMU	"light Croy"	Light Croy	Unknown	
"Smooth-face" CSMU	"Light Gray"	Light Gray	UNKNOWN	
"Rock-face" CSMU	"Dod/Orongo"	Red/Orenae	Linknown	
"Smooth-face" CSMU	"Red/Orange"	Red/Orange Unknown		
"Rock-face" CSMU	"Top/Poigo"	Top/Poigo	Unknown	24" x 12" x 4"
"Smooth-face" CSMU	"Tan/Beige"	Tan/Beige	Unknown	24 X IZ X 4

Submitted by: Jeff Lucas





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## Purpose of Testing

Six integrally colored CSMU's, each with a "smooth-face" and a "rock-face," all with small and fine aggregate were submitted for testing using PROSOCO's new construction cleaning and water repellent products. Products for graffiti control suitable for CSMU's were also evaluated.

**Cleaning Calcium Silicate Masonry Units** – Sure Klean<sup>®</sup> Vana Trol<sup>®</sup>, Sure Klean<sup>®</sup> Burnished Custom Masonry Cleaner and Sure Klean<sup>®</sup> Custom Masonry Cleaner were evaluated on the "smooth-face" and "rock-face" CSMU's for removal of laboratory applied mortar and to determine the optimal concentration of cleaner that leaves the external surface looking most like the natural through-body color of the CSMU.

To simulate new construction soiling all calcium silicate masonry units (CSMU's) are placed on a bench with finished surface facing upward. Hollow cylinders measuring 50 mm in diameter and 75 mm tall are positioned on top of each CSMU and filled with a wet mixture of Type S mortar. The wet, mortar-filled cylinder is allowed to remain in contact with the CSMU for 10 minutes before removal.

Heavy deposits of mortar are removed with dry scraping after 24 hours. Prepared cleaning solutions are then evaluated for their effectiveness in removing residual Type S mortar staining after 14 days of curing.

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

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

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

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

- 0 Worst match to through-body
- 3 Good match to through-body
  4 Best match to through-body
- 1 **Poor** match to through-body
- 2 Fair match to through-body

### NOTE: When cleaning integrally colored CSMU's.

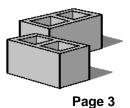
Integrally colored calcium silicate masonry units (CSMU's) frequently have high amounts of pigments concentrated on the surface. Variation of surface pigment concentrations from one CSMU to the next creates a blotchy appearance in the completed wall. Allowed to remain on the surface of the CSMU, the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

In addition to removing excess mortar and construction related soiling, the goal of any cleaning operation undertaken on an integrally colored CSMU 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 CSMU wall is improved.

**Protective Water Repellents** – Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control, Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control II, Consolideck<sup>®</sup> Saltguard<sup>®</sup>, and Consolideck<sup>®</sup> Saltguard<sup>®</sup> WB were evaluated for their ability to provide water repellency to the submitted CSMU's.

**Graffiti Control** – Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control, Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control II, and Defacer Eraser<sup>®</sup> Sacrificial Coating SC-1 were evaluated for their ability to control graffiti on the submitted samples. Sure Klean<sup>®</sup> Fast Acting Stripper and Defacer Eraser<sup>®</sup> Graffiti Wipe were evaluated for their ability to remove graffiti from the submitted CSMU's.





## Products Evaluated

## Products Evaluated for New Construction Cleaning and/or Color Uniformity

Block Type	Product	Dilution
	Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6, 1:8
All Submitted CSMU's	Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner	1:2, 1:3
	Sure Klean <sup>®</sup> Custom Masonry Cleaner	1:6

## Water Repellent Products Evaluated

Block Type	Product	Dilution
	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control	Concentrate
All Submitted CSMU's	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II	Concentrate
All Submitted CSIVID'S	Consolideck <sup>®</sup> Saltguard <sup>®</sup>	Concentrate
	Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	Concentrate

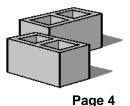
#### Graffiti Control Products Evaluated

Block Type	Product	Dilution
	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control	Concentrate
All Submitted CSMU's	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II	Concentrate
	Defacer Eraser <sup>®</sup> Sacrificial Coating SC-1	Concentrate

### **Graffiti Removal Products Evaluated**

Block Type	Product	Dilution
All Submitted CSMU's	Sure Klean <sup>®</sup> Fast Acting Stripper	Concentrate
All Submitted CSMO's	Defacer Eraser <sup>®</sup> Graffiti Wipe	Concentrate





## **New Construction Cleaning**

These cleaning trials were conducted to determine the optimal cleaning/cure time combination to most efficiently remove Type S mortar from the submitted CSMU's. The optimum dilution of the evaluated cleaners was also determined based on the best match for color uniformity when compared to the through-body color of the CSMU's.

### **Description of Products Evaluated – New Construction Cleaning**

**Sure Klean**<sup>®</sup> **Vana Trol**<sup>®</sup> – A concentrated acidic cleaner for new masonry surfaces that are subject to vanadium, manganese and other metallic stains. Use on: gray, brown, white, and most light-colored brick; natural stone; cast stone. Dissolves mortar smears and construction dirt quickly, leaving the masonry clean and uniform with no acid burning or streaking. Liquid concentrate for dilution with 4-10 parts water. Apply by brush or low-pressure spray.

**Sure Klean<sup>®</sup> Burnished Custom Masonry Cleaner** – Removes common construction and atmospheric staining from custom masonry and other architectural concrete surfaces. This general-purpose, non-etching, acidic cleaner removes rust, mud, oil, atmospheric dirt, mortar smears and other stains without altering the surface texture. Burnished Custom Masonry Cleaner adds depth to colors and brightens white matrices and exposed aggregate.

**Sure Klean**<sup>®</sup> **Custom Masonry Cleaner** – A general purpose, concentrated acidic cleaner for most custom masonry and colored concrete. Removes concrete splashes, excess mortar, mud, heavy efflorescence and surface soiling, leaving the masonry clean and uniform with no acid burning or streaking. Liquid concentrate for dilution with 2-6 parts water. Apply by brush or low-pressure spray.

### Test Method – New Construction Cleaning

Dilution ratios refer to mixtures of parts concentrated cleaner : parts fresh water. Chemical cleaners were evaluated using the following procedure:

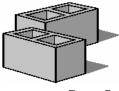
- 1. Pre-wet the surface with water.
- 2. Apply each cleaner at the appropriate dilutions.
- 3. Allow appropriate dwell time for each cleaner:

Sure Klean®	Vana Trol	3-5 minutes
Sure Klean <sup>®</sup>	Burnished Custom Masonry Cleaner	3-5 minutes
Sure Klean <sup>®</sup>	Custom Masonry Cleaner	3 minutes

- 4. Reapply the products and moderately agitate with a brush.
- 5. Pressure rinse thoroughly.\*
- 6. Allow the surface to dry for at least 18 hours and visually examine.
- 7. Break the sample in half and compare the through-body surfaces to the cleaned surfaces for the best match.

\*Pressure rinsing was conducted at approximately 1300 psi with a warm water flow rate of 1.9 gallons per minute.





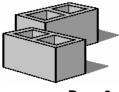
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### Test Results – New Construction Cleaning

## <u>% removal</u>

"Beige Smooth-face" CS	MU	
Product	Dilution	14 day
Vana Trol	1:6	100%
Vana Trol	1:8	100%
Burnished Custom Masonry Cleaner	1:2	100%
Burnished Custom Masonry Cleaner	1:3	100%
Custom Masonry Cleaner	1:6	100%
"Beige Rock-face" CSM	U	
Product	Dilution	14 day
Vana Trol	1:6	99%
Vana Trol	1:8	99%
Burnished Custom Masonry Cleaner	1:2	95%
Burnished Custom Masonry Cleaner	1:3	95%
Custom Masonry Cleaner	1:6	99%
"Green/Beige Smooth-face"	CSMU	
Product	Dilution	14 day
Vana Trol	1:6	100%
Vana Trol	1:8	100%
Burnished Custom Masonry Cleaner	1:2	100%
Burnished Custom Masonry Cleaner	1:3	100%
Custom Masonry Cleaner	1:6	100%
"Green/Beige Rock-face" C	SMU	
Product	Dilution	14 day
Vana Trol	1:6	95%
Vana Trol	1:8	95%
Burnished Custom Masonry Cleaner	1:2	90%
Burnished Custom Masonry Cleaner	1:3	90%
Custom Masonry Cleaner	1:6	95%
"Light Brown Smooth-face"	CSMU	
Product	Dilution	14 day
Vana Trol	1:6	100%
Vana Trol	1:8	100%
Burnished Custom Masonry Cleaner	1:2	100%
Burnished Custom Masonry Cleaner	1:3	100%
Custom Masonry Cleaner	1:6	100%
"Light Brown Rock-face" C	SMU	
Product	Dilution	14 day
Vana Trol	1:6	99%
Vana Trol	1:8	95%
Burnished Custom Masonry Cleaner	1:2	95%
	4.0	95%
Burnished Custom Masonry Cleaner	1:3	90 /0





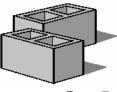
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### <u>Test Results</u> – New Construction Cleaning

## <u>% removal</u>

"Light Gray Smooth-face" CSMU			
Product	Dilution	14 day	
Vana Trol	1:6	100%	
Vana Trol	1:8	100%	
Burnished Custom Masonry Cleaner	1:2	100%	
Burnished Custom Masonry Cleaner	1:3	100%	
Custom Masonry Cleaner	1:6	100%	
"Light Gray Rock-face" CS	SMU		
Product	Dilution	14 day	
Vana Trol	1:6	100%	
Vana Trol	1:8	100%	
Burnished Custom Masonry Cleaner	1:2	95%	
Burnished Custom Masonry Cleaner	1:3	95%	
Custom Masonry Cleaner	1:6	100%	
"Red/Orange Smooth-face"	CSMU		
Product	Dilution	14 day	
Vana Trol	1:6	100%	
Vana Trol	1:8	100%	
Burnished Custom Masonry Cleaner	1:2	100%	
Burnished Custom Masonry Cleaner	1:3	100%	
Custom Masonry Cleaner	1:6	100%	
"Red/Orange Rock-face" C	SMU		
Product	Dilution	14 day	
Vana Trol	1:6	98%	
Vana Trol	1:8	98%	
Burnished Custom Masonry Cleaner	1:2	98%	
Burnished Custom Masonry Cleaner	1:3	98%	
Custom Masonry Cleaner	1:6	98%	
"Tan/Beige Smooth-face" C	SMU		
Product	Dilution	14 day	
Vana Trol	1:6	100%	
Vana Trol	1:8	100%	
Burnished Custom Masonry Cleaner	1:2	100%	
Burnished Custom Masonry Cleaner	1:3	100%	
Custom Masonry Cleaner	1:6	100%	
"Tan/Beige Rock-face" CS	MU		
Product	Dilution	14 day	
Vana Trol	1:6	98%	
Vana Trol	1:8	98%	
	1:2	98%	
Burnished Custom Masonry Cleaner			
Burnished Custom Masonry Cleaner Burnished Custom Masonry Cleaner	1:3	98%	





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### Test Results - Color Uniformity

Substrate: "Smooth-face" CSMU	Pigment C	olor: "Beige"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Vana Trol	1:6	4	4
Vana Trol	1:8	4	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Custom Masonry Cleaner	1:6	4	4
Substrate: "Rock-face" CSMU	Pigment C	olor: "Beige"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Vana Trol	1:6	4	4
Vana Trol	1:8	4	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Custom Masonry Cleaner	1:6	4	4
Substrate: "Smooth-face" CSMU	Pigment C	olor: "Green/Beige"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Vana Trol	1:6	3	3
Vana Trol	1:8	3	3
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Custom Masonry Cleaner	1:6	4	4
Substrate: "Rock-face" CSMU	Pigment C	olor: "Green/Beige"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Vana Trol	1:6	4	4
Vana Trol	1:8	4	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Custom Masonry Cleaner	1:6	4	4
Substrate: "Smooth-face" CSMU	Pigment Color: "Light Brown"		
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Vana Trol	1:6	4	4
Vana Trol	1:8	4	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Custom Masonry Cleaner	1:6	4	4

Scale used for reporting results of both categories

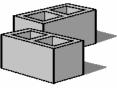
- 0 **Worst** match to through-body
- 3 Good match to through-body

1 – **Poor** match to through-body

4 – **Best** match to through-body

2 - Fair match to through-body





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## Test Results - Color Uniformity (Continued)

Substrate: "Rock-face" CSMU	Pigment C	olor: "Light Brown"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Vana Trol	1:6	4	4
Vana Trol	1:8	4	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Custom Masonry Cleaner	1:6	4	4
Substrate: "Smooth-face" CSMU	Pigment C	olor: "Light Gray"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Vana Trol	1:6	3	3
Vana Trol	1:8	3	3
Burnished Custom Masonry Cleaner	1:2	3	3
Burnished Custom Masonry Cleaner	1:3	3	3
Custom Masonry Cleaner	1:6	4	4
Substrate: "Rock-face" CSMU	Pigment C	olor: "Light Gray"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Vana Trol	1:6	4	4
Vana Trol	1:8	4	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Custom Masonry Cleaner	1:6	4	4
Substrate: "Smooth-face" CSMU	Pigment C	olor: "Red/Orange"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Vana Trol	1:6	3	3
Vana Trol	1:8	3	3
Burnished Custom Masonry Cleaner	1:2	3	3
Burnished Custom Masonry Cleaner	1:3	3	3
Custom Masonry Cleaner	1:6	3	3
Substrate: "Rock-face" CSMU	Pigment Color: "Red/Orange"		
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Vana Trol	1:6	4	4
Vana Trol	1:8	4	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Custom Masonry Cleaner	1:6	4	4

Scale used for reporting results of both categories

0 – Worst match to through-body

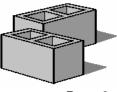
3 – **Good** match to through-body

1 – **Poor** match to through-body

4 – **Best** match to through-body

2 - Fair match to through-body





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## Test Results - Color Uniformity (Continued)

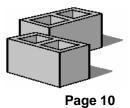
Substrate: "Smooth-face" CSMU	Pigment Color: "Tan/Beige"				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal		
Vana Trol	1:6	3	3		
Vana Trol	1:8	3	3		
Burnished Custom Masonry Cleaner	1:2	4	4		
Burnished Custom Masonry Cleaner	1:3	4	4		
Custom Masonry Cleaner	1:6	4	4		
Substrate: "Rock-face" CSMU	Pigment C	olor: "Tan/Beige"			
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal		
Vana Trol	1:6	4	4		
Vana Trol	1:8	4	4		
Burnished Custom Masonry Cleaner	1:2	4	4		
Durnished Custom Mesonny Cleaner	1:3	4	4		
Burnished Custom Masonry Cleaner	1.0				

Scale used for reporting results of both categories

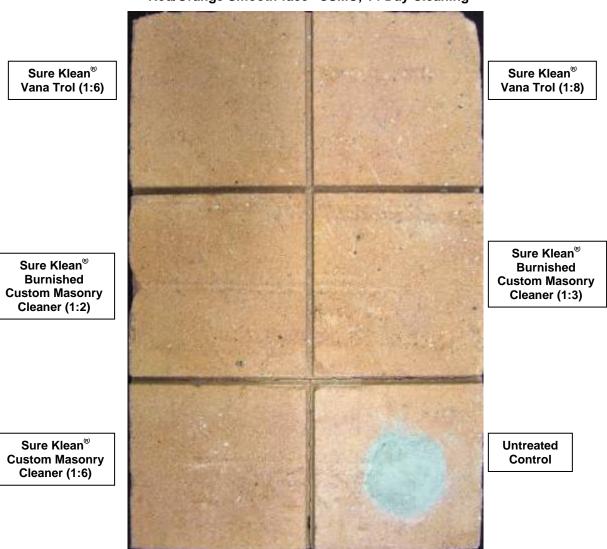
- 0 **Worst** match to through-body
- 3 **Good** match to through-body
- 1 Poor match to through-body
- 2 **Fair** match to through-body

4 - Best match to through-body



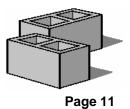


### Photographs – New Construction Cleaning

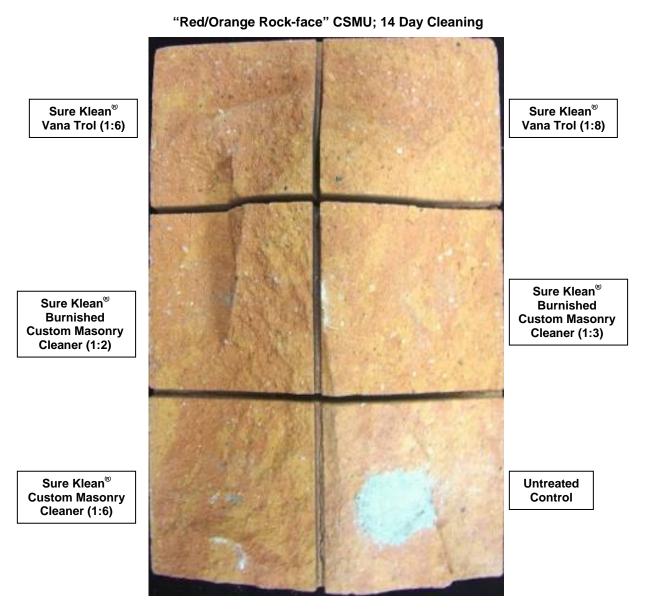


"Red/Orange Smooth-face" CSMU; 14 Day Cleaning

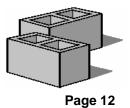




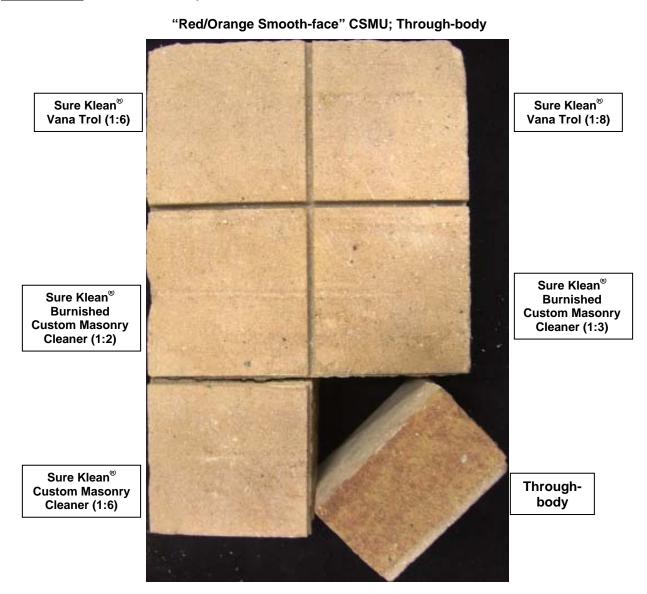
### Photographs – New Construction Cleaning



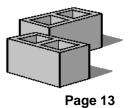




Photographs - Color Uniformity





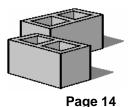


### Photographs – New Construction Cleaning

# "Red/Orange Rock-face" CSMU; Through-body Sure Klean<sup>®</sup> Sure Klean<sup>®</sup> Vana Trol (1:6) Vana Trol (1:8) Sure Klean<sup>®</sup> Sure Klean<sup>®</sup> Burnished Burnished **Custom Masonry Custom Masonry** Cleaner (1:3) Cleaner (1:2) Sure Klean<sup>®</sup> Through-**Custom Masonry** body Cleaner (1:6)

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### **Conclusions** – New Construction Cleaning

Based on test evaluations, all of the submitted CSMU's were efficiently cleaned with the selected PROSOCO Inc. cleaning products. Use higher concentrations and surface agitation to maximize aggregate exposure. Use low concentration and surface agitation to minimize aggregate exposure.

All dilutions of Sure Klean<sup>®</sup> Vana Trol, Sure Klean<sup>®</sup> Burnished Custom Masonry Cleaner and Sure Klean<sup>®</sup> Custom Masonry Cleaner tested affected the samples in a similar manner; removing slight to moderate concentrations of pigmented matrix from the CSMU's, exposing small and fine aggregate, and enhancing the natural appearance of the integrally colored CSMU.

### **Recommendations** – New Construction Cleaning

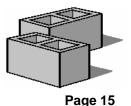
Recommendations for cleaning for each type of CSMU submitted by Building Stone Products, Inc., Lemont, IL are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar while providing the best color uniformity.

Sample	New Construction Cleaning (Type S mortar, 14 day cleaning)	
All Submitted CSMU's	Sure Klean <sup>®</sup> Vana Trol (1:6) OR (1:8) OR Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner (1:2) OR (1:3) OR Sure Klean <sup>®</sup> Custom Masonry Cleaner (1:6)	

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.





## PROSOCO, Inc.

## Protective Water Repellents

The testing described below evaluates the suitability of water repellent treatments.

The surface treatments evaluated were selected for their suitability for application based on the following selection criteria:

- 1. Weatherproofing properties
- 2. Color change
- 3. Ease of application

### <u>Description of Products Evaluated</u> – Protective Water Repellents

**Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control** – A clear, solvent-based silicone elastomer formulated to weatherproof concrete block and other porous masonry materials. Blok-Guard<sup>®</sup> & Graffiti Control protects masonry surfaces from repeated graffiti attacks without altering the natural appearance. Blok-Guard<sup>®</sup> & Graffiti Control penetrates and fills pores to prevent water penetration through exterior walls exposed to normal weathering. Graffiti removal is fast and easy using Defacer Eraser<sup>®</sup> Graffiti Wipe. Blok-Guard<sup>®</sup> & Graffiti Control is easy to apply with low-pressure spray, brush or roller.

Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control II – A clear-drying, water-based silicone emulsion for weatherproofing concrete block and other porous masonry materials. Blok-Guard<sup>®</sup> & Graffiti Control II also protects masonry surfaces from graffiti attacks without altering the natural appearance. Blok-Guard<sup>®</sup> & Graffiti Control II protects exterior walls exposed to normal weathering. Graffiti removal from treated surfaces is fast and easy using Defacer Eraser<sup>®</sup> Graffiti Wipe. Blok-Guard<sup>®</sup> & Graffiti Control II is easy to apply with low-pressure spray, brush or roller.

**Consolideck**<sup>®</sup> **Saltguard**<sup>®</sup> – A general-purpose silane/siloxane water repellent and chloride screen for concrete and masonry. Saltguard<sup>®</sup> protects horizontal and vertical surfaces from moisture intrusion and chemical attack of chloride salts, reducing rebar corrosion and surface spalling. Saltguard<sup>®</sup> may be used on horizontal surfaces such as sidewalks, tile and brick pavers. It also provides excellent protection for retaining walls, bridge pilings and other vertical areas. In coastal areas, Saltguard<sup>®</sup> protects against salt air by reducing chloride penetration. Saltguard<sup>®</sup> also prevents deep-seated staining by mud splashes and other waterborne contaminants.

**Consolideck**<sup>®</sup> **Saltguard**<sup>®</sup> **WB** – A ready-to-use water-based, VOC compliant silane/siloxane water repellent and "chloride screen" for the protection of concrete and masonry surfaces. Saltguard<sup>®</sup> WB penetrates more deeply than conventional water- or solvent-based water repellents. Low odor and alkaline stable, Saltguard<sup>®</sup> WB is ideal for field or in-plant application to concrete and most masonry surfaces. Saltguard<sup>®</sup> WB protects horizontal and vertical surfaces from moisture intrusion and chemical attack of chloride salts.

#### Sample Preparation – Protective Water Repellents

The submitted samples were scored, allowed to dry, and to reabsorb atmospheric humidity for 24 hours prior to treatment. All products were applied by brush in accordance with the recommendations in the PROSOCO, Inc. product guide. All treatments were allowed to cure in accordance with the recommendations in the PROSOCO, Inc. product guide prior to testing.



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### Test Methods – Protective Water Repellents

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

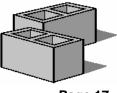
The water absorption tube test simulating wind driven rain conditions was performed. This test simulates 60 mile per hour wind driven rain conditions for a period of 20 minutes. See Technical Services TECH Note RILEM Tube Test Procedures.

#### <u>Test Results</u> – Protective Water Repellents

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

	RESULTS
"Beige Smooth-face" CSMU	
Untreated Control	43 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard <sup>®</sup>	60 mph
Saltguard <sup>®</sup> WB	60 mph
"Beige Rock-face" CSMU	
Untreated Control	<40 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard <sup>®</sup>	60 mph
Saltguard <sup>®</sup> WB	60 mph
"Green/Beige Smooth-face" CSMU	
Untreated Control	47 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard®	60 mph
Saltguard <sup>®</sup> WB	60 mph
"Green/Beige Rock-face" CSMU	
Untreated Control	<40 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard®	60 mph
Saltguard <sup>®</sup> WB	60 mph
"Light Brown Smooth-face" CSMU	
Untreated Control	45 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard®	60 mph
Saltguard <sup>®</sup> WB	60 mph
"Light Brown Rock-face" CSMU	
Untreated Control	<40 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard®	60 mph
Saltguard <sup>®</sup> WB	60 mph





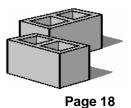
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### Test Results - Protective Water Repellents

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

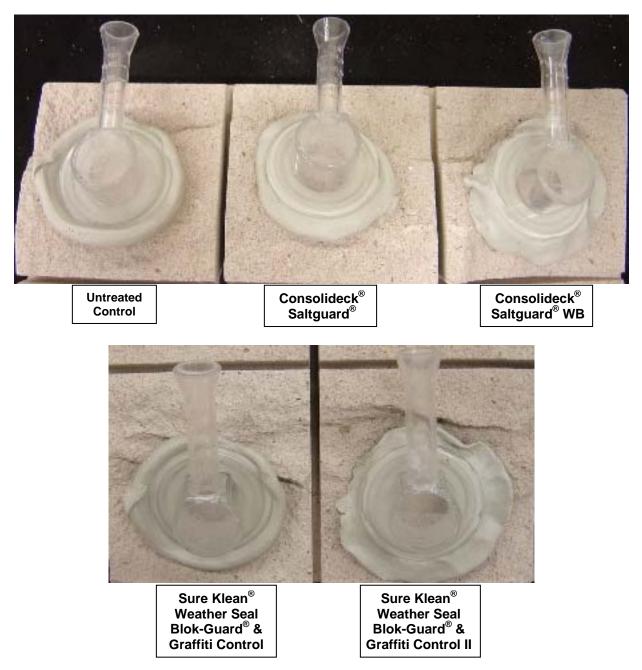
	RESULTS
"Light Gray Smooth-face" CSMU	
Untreated Control	44 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard <sup>®</sup>	60 mph
Saltguard <sup>®</sup> WB	60 mph
"Light Gray Rock-face" CSMU	
Untreated Control	<40 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard <sup>®</sup>	60 mph
Saltguard <sup>®</sup> WB	60 mph
"Red/Orange Smooth-face" CSMU	
Untreated Control	42 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard <sup>®</sup>	60 mph
Saltguard <sup>®</sup> WB	60 mph
"Red/Orange Rock-face" CSMU	
Untreated Control	<40 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard®	60 mph
Saltguard <sup>®</sup> WB	60 mph
"Tan/Beige Smooth-face" CSMU	
Untreated Control	44 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard®	60 mph
Saltguard <sup>®</sup> WB	60 mph
"Tan/Beige Rock-face" CSMU	
Untreated Control	<40 mph
Blok-Guard <sup>®</sup> & Graffiti Control	60 mph
Blok-Guard <sup>®</sup> & Graffiti Control II	60 mph
Saltguard <sup>®</sup>	60 mph
Saltguard <sup>®</sup> WB	59 mph



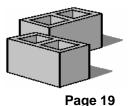


Photographs – Protective Water Repellents

"Light Gray Rock-face" CSMU; RILEM Testing







### **Conclusions – Protective Water Repellents**

Based upon laboratory evaluations, all of the PROSOCO, Inc. products tested provided above average water repellency to each of the submitted samples. In addition, Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control and Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control II provided slight color enhancement to the submitted CSMU's. None of the other treatments altered the appearance of the samples in any way.

### <u>Recommendations</u> – Protective Water Repellents

Recommendations for water repellency treatment for each type of CSMU submitted by Building Stone Products, Inc., Lemont, IL are provided in the chart below. Recommendations are based on the treatment that proved most effective at providing water repellency to the submitted samples.

Sample	Protective Water Repellents		
All Submitted CSMU's	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control OR Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II OR Consolideck <sup>®</sup> Saltguard <sup>®</sup> OR Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB		

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 water repellent product and procedures for a particular project. See product literature for additional application and product information.



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## **Graffiti Control**

These trials were conducted to determine the optimal graffiti control treatment for the submitted CSMU's.

### **Description of Products Evaluated – Graffiti Control**

#### Graffiti Control Treatments

**Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control** – A clear, solvent-based silicone elastomer formulated to weatherproof concrete block and other porous masonry materials. Blok-Guard<sup>®</sup> & Graffiti Control protects masonry surfaces from repeated graffiti attacks without altering the natural appearance. Blok-Guard<sup>®</sup> & Graffiti Control penetrates and fills pores to prevent water penetration through exterior walls exposed to normal weathering. Graffiti removal is fast and easy using Defacer Eraser<sup>®</sup> Graffiti Wipe. Blok-Guard<sup>®</sup> & Graffiti Control is easy to apply with low-pressure spray, brush or roller.

**Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control II** – A clear-drying, water-based silicone emulsion for weatherproofing concrete block and other porous masonry materials. Blok-Guard<sup>®</sup> & Graffiti Control II also protects masonry surfaces from graffiti attacks without altering the natural appearance. Blok-Guard<sup>®</sup> & Graffiti Control II protects exterior walls exposed to normal weathering. Graffiti removal from treated surfaces is fast and easy using Defacer Eraser<sup>®</sup> Graffiti Wipe. Blok-Guard<sup>®</sup> & Graffiti Control II is easy to apply with low-pressure spray, brush or roller.

**Defacer Eraser**<sup>®</sup> **Sacrificial Coating SC-1** – A clear, water-based sacrificial coating for control of graffiti on most building surfaces. SC-1 acts as a graffiti barrier, preventing spray paints, crayons and ink from penetrating and staining the underlying surface. Graffiti is removed from protected surfaces by high-pressure hot water, Defacer Eraser<sup>®</sup> Graffiti Wipe or Sure Klean<sup>®</sup> Fast Acting Stripper. The coating must then be reapplied to restore the graffiti barrier. SC-1 allows cost-effective control of chronic graffiti without chemical strippers or abrasives that can damage building surfaces or the surrounding environment. It allows protection of limited areas and spot reapplication without a noticeable change in overall color or appearance. The coating is formulated as a water-thin liquid for spray application to porous and textured surfaces.

#### Products Evaluated for Graffiti Removal

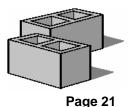
**Defacer Eraser**<sup>®</sup> **Graffiti Wipe** – An easy-to-use graffiti remover that does not contain methanol, methylene chloride or other halogenated solvents prohibited on many projects. Graffiti Wipe removes a variety of graffiti stains from most smooth masonry, split-face concrete block, wood and metal surfaces.

**Sure Klean<sup>®</sup> Fast Acting Stripper** – A thixotropic stripping compound formulated specifically for removal of high strength paints and coatings such as epoxies, polyurethanes, and floor enamels. Additionally, Fast Acting Stripper dissolves most spray paints, marking pens, lacquers and other graffiti.

### Graffiti Agents

Interior/Exterior Spray Paint (Red) Permanent Marker (Green) Permanent Marker (Red) Permanent Marker (Black)





### Sample Preparation – Graffiti Control

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

Sections of the samples were treated with the selected graffiti control treatments, in accordance with PROSOCO, Inc.'s Product Guide application instructions and then allowed to cure for at least one day. At the end of the one-day cure period, a visual adverse effects evaluation was made and then the graffiti agents were applied to the substrates.

Spray paint and markers were applied as graffiti agents to all treated surfaces no sooner than one day following application of the graffiti control treatments. Removal of the graffiti agents was attempted 24 hours after application of the graffiti agents, using either Defacer Eraser<sup>®</sup> Graffiti Wipe or Sure Klean<sup>®</sup> Fast Acting Stripper.

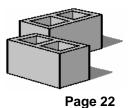
### Test Method – Graffiti Control

Chemical cleaners were evaluated using the following procedure:

- 1. Apply the product to a dry surface, soiled with graffiti.
- 3. Pressure rinse thoroughly until water runs clear. \*
- 4. Allow the surface to dry thoroughly and visually examine to determine effectiveness.

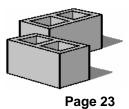
\*Pressure rinsing was conducted at approximately 1300 psi with a warm water flow rate of 1.9 gallons per minute.





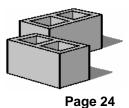
"Beige Smooth-face" CSMU					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	70%	90%	85%	90%	84%
Graffiti Wipe	20%	20%	85%	80%	51%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	90%	80%	98%	90%
Graffiti Wipe	90%	80%	70%	95%	84%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	75%	95%	90%	99%	90%
Graffiti Wipe	75%	90%	80%	95%	85%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	98%	95%	99%	98%
Graffiti Wipe	99%	98%	95%	98%	98%
	"Beige R	ock-face" CSN	IU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	85%	80%	80%	81%
Graffiti Wipe	70%	30%	70%	70%	60%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	90%	70%	95%	84%
Graffiti Wipe	80%	70%	70%	80%	75%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	70%	95%	60%	98%	81%
Graffiti Wipe	70%	95%	60%	98%	81%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	90%	80%	85%	89%
Graffiti Wipe	98%	80%	80%	80%	85%
	"Green/Beige	Smooth-face"	CSMU		•
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	70%	90%	90%	90%	85%
Graffiti Wipe	40%	50%	70%	70%	58%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	85%	60%	95%	80%
Graffiti Wipe	80%	70%	60%	90%	75%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	90%	70%	98%	85%
Graffiti Wipe	80%	75%	70%	95%	80%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	98%	99%	99%	99%
Graffiti Wipe	100%	99%	98%	98%	99%





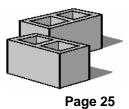
"Green/Beige Rock-face" CSMU					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	40%	85%	80%	90%	74%
Graffiti Wipe	40%	20%	60%	60%	45%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	90%	85%	85%	86%
Graffiti Wipe	85%	60%	80%	80%	76%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	75%	98%	80%	95%	87%
Graffiti Wipe	75%	95%	70%	95%	84%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	90%	90%	90%	91%
Graffiti Wipe	95%	60%	80%	80%	79%
	"Light Brown	Smooth-face"	CSMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	50%	95%	90%	95%	83%
Graffiti Wipe	50%	80%	85%	90%	76%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	50%	95%	70%	98%	78%
Graffiti Wipe	50%	80%	60%	85%	69%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	50%	98%	85%	98%	83%
Graffiti Wipe	50%	85%	80%	95%	78%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	99%	98%	99%	99%
Graffiti Wipe	99%	99%	98%	99%	99%
	"Light Brow	n Rock-face" C	SMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	50%	85%	60%	90%	71%
Graffiti Wipe	50%	20%	60%	20%	38%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	95%	70%	95%	85%
Graffiti Wipe	80%	95%	70%	95%	85%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	75%	95%	85%	99%	89%
Graffiti Wipe	75%	95%	85%	99%	89%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	99%	90%	95%	95%
Graffiti Wipe	95%	95%	80%	95%	91%





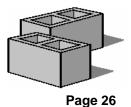
"Light Gray Smooth-face" CSMU					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	50%	85%	50%	80%	66%
Graffiti Wipe	20%	50%	50%	50%	43%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	85%	40%	90%	74%
Graffiti Wipe	80%	60%	40%	80%	65%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	60%	85%	50%	95%	73%
Graffiti Wipe	60%	60%	50%	85%	64%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	95%	98%	95%	97%
Graffiti Wipe	99%	95%	98%	95%	97%
	"Light Gray	/ Rock-face" C	SMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	40%	80%	50%	50%	55%
Graffiti Wipe	40%	20%	40%	40%	35%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	98%	70%	90%	87%
Graffiti Wipe	90%	85%	70%	90%	84%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	70%	95%	70%	98%	83%
Graffiti Wipe	70%	90%	70%	95%	81%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	85%	80%	85%	86%
Graffiti Wipe	95%	60%	80%	60%	74%
	"Red/Orange	Smooth-face"	CSMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	50%	90%	90%	98%	82%
Graffiti Wipe	20%	75%	85%	90%	68%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	95%	90%	100%	94%
Graffiti Wipe	90%	85%	85%	100%	90%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	95%	85%	98%	90%
Graffiti Wipe	80%	85%	85%	98%	87%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	100%	100%	100%	100%	100%





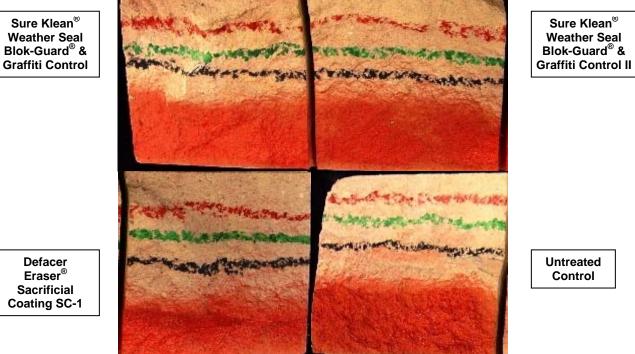
"Red/Orange Rock-face" CSMU					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	60%	95%	75%	90%	80%
Graffiti Wipe	60%	20%	40%	75%	49%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	100%	75%	98%	91%
Graffiti Wipe	90%	100%	75%	98%	91%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	100%	75%	99%	89%
Graffiti Wipe	80%	100%	75%	99%	89%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	99%	90%	98%	97%
Graffiti Wipe	95%	90%	90%	90%	91%
	"Tan/Beige	Smooth-face" (	CSMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	70%	90%	80%	95%	84%
Graffiti Wipe	50%	60%	80%	85%	69%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	85%	70%	95%	83%
Graffiti Wipe	80%	75%	50%	85%	73%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	75%	90%	75%	99%	85%
Graffiti Wipe	75%	80%	75%	99%	82%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	98%	98%	99%	99%
Graffiti Wipe	99%	95%	95%	99%	97%
	"Tan/Beige	Rock-face" C	SMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	60%	95%	85%	90%	83%
Graffiti Wipe	50%	20%	40%	40%	38%
Blok-Guard <sup>®</sup> & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	98%	85%	98%	93%
Graffiti Wipe	90%	98%	50%	95%	83%
Blok-Guard <sup>®</sup> & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	99%	75%	98%	88%
Graffiti Wipe	80%	99%	75%	95%	87%
Sacrificial Coating SC-1	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	98%	90%	95%	95%
Graffiti Wipe	95%	85%	85%	80%	86%





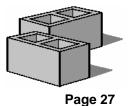
Photographs – Graffiti Control

## "Red/Orange Rock-face" CSMU; Graffiti Applied



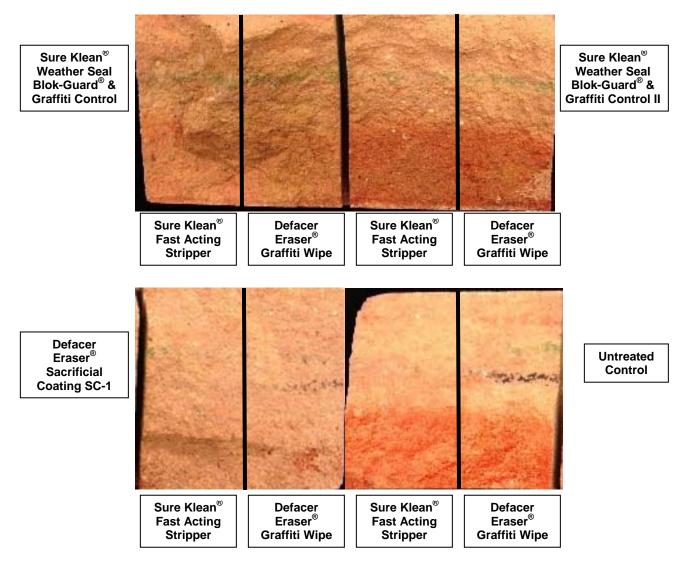
Coating SC-1



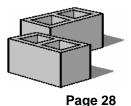


Photographs - Graffiti Control

## "Red/Orange Rock-face" CSMU; Graffiti Removed







### Conclusions – Graffiti Control

Based upon laboratory evaluations, graffiti removal was most improved when the submitted samples were treated with Defacer Eraser<sup>®</sup> Sacrificial Coating SC-1 prior to graffiti application. However, Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control and Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control II did improve the removal of the graffiti agents from some of the submitted CSMU's. In addition, Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control II did improve the removal of the graffiti Control and Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control II did improve the removal of the submitted control and Sure Klean<sup>®</sup> Weather Seal Blok-Guard<sup>®</sup> & Graffiti Control II grovided a slight color enhancement to some of the submitted samples. Defacer Eraser<sup>®</sup> Sacrificial Coating SC-1 did not alter the appearance of the submitted CSMU's in any way.

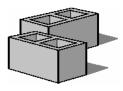
### Recommendations – Graffiti Control

Recommendations for graffiti control treatment for each type of CSMU submitted by Building Stone Products, Inc., Lemont, IL are provided in the chart below. Recommendations are based on the treatment or treatments that proved most effective for providing graffiti repellency and the product that was most effective at removing the graffiti on all types submitted.

Sample	Graffiti Repellents	Graffiti Removers
All Submitted "Smooth-face" CSMU's	Defacer Eraser <sup>®</sup> Sacrificial Coating SC-1	
"Beige Rock-face" "Light Brown Rock-face"	Defacer Eraser <sup>®</sup> Sacrificial Coating SC-1	Sure Klean <sup>®</sup> Fast Acting Stripper
"Light Gray Rock-face" "Green/Beige Rock-face" "Red/Orange Rock-face" "Tan/Beige Rock-face"	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control OR Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II OR Defacer Eraser <sup>®</sup> Sacrificial Coating SC-1	Defacer Eraser <sup>®</sup> Graffiti Wipe

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.

Christopher A. Moore Project Testing Laboratory Technician CAM



Laboratory Report

**Pallet Tag Program Evaluation** 

# Building Stone Products, Inc. Lemont, IL

Project No. 0412-18 PTP

**Prepared For:** 

Building Stone Products, Inc. 10800 S. Route 83 Lemont, IL 60439

Prepared By:



PROSOCO, Inc. May 2005