

PROSOCO, Inc.

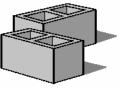
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Attachments

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





PROSOCO, Inc.

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Submitted Information

For: cc:	Mark O'Keefe Steve Dean Paul Tessier
Subject:	Basalite Block – Dixon, CA Plant Dixon, CA

Date: November 8, 2005

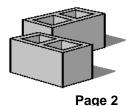
Project: 0508-07 PTP

Samples Submitted: 4 types of integrally colored CMU's, each with a split-face, smooth-face and groundface side

Block	Name	Color	Integral Water Repellent	Size
Split-face				
Smooth-face	"225"	Light Gray	None	8" x 16" x 8"
Ground-face				
Split-face				
Smooth-face	"345"	Tan	None	8" x 16" x 8"
Ground-face				
Split-face				
Smooth-face	"364"	Red	None	8" x 16" x 8"
Ground-face				
Split-face				
Smooth-face	"390"	Dark Gray	None	8" x 16" x 8"
Ground-face				

Submitted by: Mark O'Keefe





Purpose of Testing

Four types of integrally colored CMU's, each with a split-face, smooth-face and ground-face side, all with large, small and fine aggregate were submitted for testing using PROSOCO, Inc.'s new construction cleaning, water repellency, graffiti control, and color/sheen enhancement products.

New Construction Cleaning – Sure Klean[®] Custom Masonry Cleaner and Sure Klean[®] Burnished Custom Masonry Cleaner were evaluated to determine the optimal concentration of cleaner for removal of laboratory applied mortar which also leaves the external surface looking most like the natural through-body color of the CMU.

Removal of laboratory applied mortar using Sure Klean[®] Burnished Custom Masonry Cleaner was also evaluated after sections of the submitted ground-face CMU's were treated with Sure Klean[®] Burnished Block Sealer and T-2207 Groundface Block Enhancer (WB) as in-plant treatments. An evaluation was made to determine if Sure Klean[®] Burnished Custom Masonry Cleaner caused any adverse effects to surfaces treated with Sure Klean[®] Burnished Block Sealer or T-2207 Groundface Block Enhancer (WB).

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

Heavy deposits of mortar were removed with dry scraping after 24 hours. Prepared cleaning solutions were then evaluated for their effectiveness in removing residual Type S mortar staining after 3 days, 7 days, and 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 CMU.

<u>Aggregate Exposure</u> is the visual examination comparing aggregate exposure of the interior, through-body section of CMU 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 CMU 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
- 1 **Poor** match to through-body 2 – **Fair** match to through-body
- 4 **Best** match to through-body

NOTE: When cleaning integrally colored CMU's.

Integrally colored concrete masonry units (CMU's) 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.

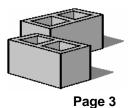
In addition to removing excess mortar and construction related soiling, the goal of any cleaning operation undertaken on an integrally colored CMU should include removal of unnaturally high concentrations of surface pigment. By revealing the natural through-body color on the integrally colored unit,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

Protective Water Repellents – Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control II and Sure Klean[®] Weather Seal Siloxane WB Concentrate were evaluated for their ability to provide water repellency to the submitted samples.

Graffiti Control – Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control II was evaluated for its ability to control graffiti on the submitted samples. Sure Klean[®] Fast Acting Stripper and Defacer Eraser[®] Graffiti Wipe were evaluated for their ability to remove graffiti from the submitted samples.

Color Enhancement/Sheen – Sure Klean[®] Burnished Block Sealer and T-2207 Groundface Block Enhancer (WB) were evaluated for their ability to provide color enhancement and sheen to the submitted ground-face CMU's.





Products Evaluated

Products Evaluated for Cleaning, Color Uniformity and Adverse Effects

Sample	Product	Dilution
All Submitted Split-face CMU's	Sure Klean [®] Custom Masonry Cleaner	1:2, 1:4, 1:6
All Submitted	Sure Klean [®] Custom Masonry Cleaner	1:2, 1:4, 1:6
Smooth-face CMU's	Sure Klean [®] Burnished Custom Masonry Cleaner	1:2, 1:3
All Submitted Ground-face CMU's	Sure Klean [®] Burnished Custom Masonry Cleaner	1:2, 1:3
All Submitted Ground-face CMU's Treated w/ Sure Klean [®] Burnished Block Sealer OR T-2207 Groundface Block Enhancer (WB)	Sure Klean [®] Burnished Custom Masonry Cleaner	1:2, 1:3

Water Repellent Products Evaluated

Sample	Product	Dilution
All Submitted CMU's	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control II	Concentrate
All Submitted CIMO'S	Sure Klean [®] Weather Seal Siloxane WB Concentrate	1:9

Graffiti Control Products Evaluated

Sample	Product	Dilution
All Submitted CMU's	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control II	Concentrate

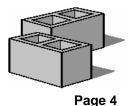
Graffiti Removal Products Evaluated

Sample	Product	Dilution
All Submitted CMU's	Sure Klean [®] Fast Acting Stripper	Concentrate
	Defacer Eraser [®] Graffiti Wipe	Concentrate

Color and Sheen Enhancement Products Evaluated

Sample	Product	Dilution
All Submitted	Sure Klean [®] Burnished Block Sealer	Concentrate
Ground-face CMU's		





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 CMU's while providing the best color uniformity when compared to the through-body color of the CMU's. Evaluations were also made to determine if Sure Klean[®] Burnished Custom Masonry Cleaner causes any adverse effects to sections of the submitted ground-face CMU's treated with Sure Klean[®] Burnished Block Sealer or T-2207 Groundface Block Enhancer (WB).

Type S mortar was prepared in compliance with the manufacturer's instructions, applied to the CMU surface and allowed to cure for 3, 7, and 14 days. Mortar removal was accomplished using chemical assistance and a high-pressure water rinse with pressure rinsing equipment. The removal of Type S masonry mortar was visually evaluated after 3, 7, and 14 days of curing. A visual examination was made to determine the optimal dilution of the tested cleaners that provide the best color uniformity when compared to the through-body color of the CMU's. An evaluation was also made to determine if Sure Klean[®] Burnished Custom Masonry Cleaner causes any adverse effects to sections of the submitted ground-face CMU's treated with Sure Klean[®] Burnished Block Sealer or T-2207 Groundface Block Enhancer (WB).

Description of Products Evaluated – New Construction Cleaning

Sure Klean[®] **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.

Sure Klean[®] 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.

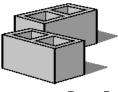
Test Method – New Construction Cleaning

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.
- Apply at the appropriate dilutions.
 Allow appropriate dwell time, as st
- 4. Reapply the product and moderately agitate with a brush.
- 5. Pressure rinse thoroughly.*
- 6. Allow the sample 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 Equipment** – Masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 45 degree fan spray tip was used for rinsing.





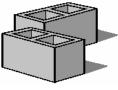
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Test Results - New Construction Cleaning

<u>% removal</u>

"225" Split-fac	e CMU			
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Custom Masonry Cleaner	1:4	100%	100%	95%
Sure Klean [®] Custom Masonry Cleaner	1:6	100%	100%	95%
"225" Smooth-fa	ace CMU			•
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Custom Masonry Cleaner	1:4	100%	100%	100%
Sure Klean [®] Custom Masonry Cleaner	1:6	100%	100%	100%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
"225" Ground-face CM	U (Untreated)		
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
"225" Ground-face CMU Treated w/ Sure	e Klean [®] Burn	ished Bloc	k Sealer	•
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
"225" Ground-face CMU Treated w/T-2207	Groundface E	Block Enha	ancer (WB))
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
"345" Split-fac	e CMU			•
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Custom Masonry Cleaner	1:2	100%	95%	95%
Sure Klean [®] Custom Masonry Cleaner	1:4	100%	95%	95%
Sure Klean [®] Custom Masonry Cleaner	1:6	100%	95%	95%
"345" Smooth-fa	ace CMU			
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Custom Masonry Cleaner	1:4	98%	98%	98%
Sure Klean [®] Custom Masonry Cleaner	1:6	98%	98%	98%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	98%	98%	98%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	98%	98%	98%
"345" Ground-face CM	U (Untreated)	•	•
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	98%	98%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	1	1	98%





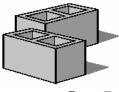
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Test Results – New Construction Cleaning

<u>% removal</u>

"345" Ground-face CMU Treated w/ Sur	e Klean [®] Burn	ished Bloc	k Sealer	
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
"345" Ground-face CMU Treated w/T-2207	Groundface I	Block Enha	ancer (WB)
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
"364" Split-fac	e CMU			
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Custom Masonry Cleaner	1:2	98%	98%	98%
Sure Klean [®] Custom Masonry Cleaner	1:4	95%	95%	95%
Sure Klean [®] Custom Masonry Cleaner	1:6	95%	95%	95%
"364" Smooth-fa	ace CMU			
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Custom Masonry Cleaner	1:2	99%	98%	98%
Sure Klean [®] Custom Masonry Cleaner	1:4	99%	98%	98%
Sure Klean [®] Custom Masonry Cleaner	1:6	99%	98%	98%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	98%	95%	95%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	98%	95%	95%
"364" Ground-face Cl	IU (Untreated)		
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	98%	98%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	98%	98%
"364" Ground-face CMU Treated w/ Sure	e Klean [®] Burn	ished Bloc	k Sealer	
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
"364" Ground-face CMU Treated w/T-2207	Groundface I	Block Enha	ancer (WB)
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
"390" Split-fac	e CMU			
Product	Dilution	3 day	7 day	14 day
Sure Klean [®] Custom Masonry Cleaner	1:2	98%	98%	98%
Sure Klean [®] Custom Masonry Cleaner	1:4	98%	98%	98%
Sure Klean [®] Custom Masonry Cleaner	1:6	98%	98%	95%





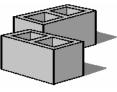
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Test Results - New Construction Cleaning

<u>% removal</u>

"390" Smooth-face CMU					
Product	Dilution	3 day	7 day	14 day	
Sure Klean [®] Custom Masonry Cleaner	1:2	100%	100%	100%	
Sure Klean [®] Custom Masonry Cleaner	1:4	100%	100%	98%	
Sure Klean [®] Custom Masonry Cleaner	1:6	100%	100%	98%	
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	98%	98%	98%	
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	98%	98%	95%	
"390" Ground-face CM	U (Untreated)			
Product	Dilution	3 day	7 day	14 day	
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%	
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%	
"390" Ground-face CMU Treated w/ Sure	e Klean [®] Burn	ished Bloc	k Sealer		
Product	Dilution	3 day	7 day	14 day	
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%	
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%	
"390" Ground-face CMU Treated w/T-2207	Groundface I	Block Enha	ancer (WB))	
Product	Dilution	3 day	7 day	14 day	
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	100%	100%	100%	
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	100%	100%	100%	





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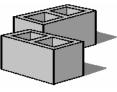
Test Results - Color Uniformity

Substrate: Split-face CMU	Pigment	Color: "225"	
Product		Aggregate Exposure	Surface Pigment Alteration/Removal
Sure Klean [®] Custom Masonry Cleaner	1:2	4	4
Sure Klean [®] Custom Masonry Cleaner	1:4	4	4
Sure Klean [®] Custom Masonry Cleaner	1:6	4	4
Substrate: Smooth-face CMU	Pigment	Color: "225"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Sure Klean [®] Custom Masonry Cleaner	1:2	4	4
Sure Klean [®] Custom Masonry Cleaner	1:4	4	4
Sure Klean [®] Custom Masonry Cleaner	1:6	4	4
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	3	3
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	3	3
Substrate: Ground-face CMU	Pigment	Color: "225"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	4	4
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	4	4
Substrate: Split-face CMU	Pigment Color: "345"		
Product	Dilution	Aggregate	Surface Pigment
	Dilution	Exposure	Alteration/Removal
Sure Klean [®] Custom Masonry Cleaner	1:2	Exposure 4	Alteration/Removal
		•	-
Sure Klean [®] Custom Masonry Cleaner	1:2	4	4
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner	1:2 1:4 1:6	4 4	4 4
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner	1:2 1:4 1:6	4 4 4	4 4
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU	1:2 1:4 1:6 Pigment	4 4 4 Color: "345" Aggregate	4 4 4 Surface Pigment
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner	1:2 1:4 1:6 Pigment Dilution	4 4 4 Color: "345" Aggregate Exposure	4 4 4 Surface Pigment Alteration/Removal
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product	1:2 1:4 1:6 Pigment Dilution 1:2	4 4 Color: "345" Aggregate Exposure 4	4 4 4 Surface Pigment Alteration/Removal 4
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner	1:2 1:4 1:6 Pigment Dilution 1:2 1:4	4 4 Color: "345" Aggregate Exposure 4 4	4 4 4 Surface Pigment Alteration/Removal 4 4
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner	1:2 1:4 1:6 Pigment Dilution 1:2 1:4 1:6	4 4 4 Color: "345" Aggregate Exposure 4 4 4	4 4 4 Surface Pigment Alteration/Removal 4 4 4
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner	1:2 1:4 1:6 Pigment Dilution 1:2 1:4 1:6 1:2 1:3	4 4 4 Color: "345" Aggregate Exposure 4 4 4 4 3	4 4 4 Surface Pigment Alteration/Removal 4 4 4 4 3
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner	1:2 1:4 1:6 Pigment Dilution 1:2 1:4 1:6 1:2 1:3	4 4 4 Color: "345" Aggregate Exposure 4 4 4 3 3 3	4 4 4 Surface Pigment Alteration/Removal 4 4 4 4 3
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner Sure Klean[®] Burnished Custom Masonry Cleaner Sure Klean[®] Burnished Custom Masonry Cleaner	1:2 1:4 1:6 Pigment Dilution 1:2 1:4 1:6 1:2 1:3 Pigment	4 4 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 4 4 Surface Pigment Alteration/Removal 4 4 4 4 3 3 3 Surface Pigment

Scale used for reporting results of both categories

- 0 **Worst** match to through-body
- 1 **Poor** match to through-body
- 3 Good match to through-body
- 2 Fair match to through-body
- 4 **Best** match to through-body
- PROSOCO, Inc. 3741 Greenway Circle Lawrence, Kansas 66046 (785) 865-4200 Fax: (785) 830-9176





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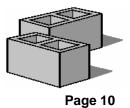
Test Results - Color Uniformity

Substrate: Split-face CMU	Pigment	Color: "364"	
Product		Aggregate Exposure	Surface Pigment Alteration/Removal
Sure Klean [®] Custom Masonry Cleaner		4	4
Sure Klean [®] Custom Masonry Cleaner	1:4	4	4
Sure Klean [®] Custom Masonry Cleaner	1:6	4	4
Substrate: Smooth-face CMU	Pigment	Color: "364"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Sure Klean [®] Custom Masonry Cleaner	1:2	4	4
Sure Klean [®] Custom Masonry Cleaner	1:4	4	4
Sure Klean [®] Custom Masonry Cleaner	1:6	4	4
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	3	3
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	3	3
Substrate: Ground-face CMU	Pigment	Color: "364"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	4	4
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	4	4
Substrate: Split-face CMU	Pigment Color: "390"		
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Sure Klean [®] Custom Masonry Cleaner	1:2	4	4
	1.2	-	
Sure Klean [®] Custom Masonry Cleaner	1:4	4	4
		4 4	4 4
Sure Klean [®] Custom Masonry Cleaner	1:4 1:6		
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner	1:4 1:6	4	
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU	1:4 1:6 Pigment	4 Color: "390" Aggregate	4 Surface Pigment
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner	1:4 1:6 Pigment Dilution	4 Color: "390" Aggregate Exposure	4 Surface Pigment Alteration/Removal
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner	1:4 1:6 Pigment Dilution 1:2	4 Color: "390" Aggregate Exposure 4	4 Surface Pigment Alteration/Removal 4
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner	1:4 1:6 Pigment Dilution 1:2 1:4	4 Color: "390" Aggregate Exposure 4 4	4 Surface Pigment Alteration/Removal 4 4
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner	1:4 1:6 Pigment Dilution 1:2 1:4 1:6	4 Color: "390" Aggregate Exposure 4 4 4 4	4 Surface Pigment Alteration/Removal 4 4 4 4
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner	1:4 1:6 Pigment Dilution 1:2 1:4 1:6 1:2 1:3	4 Color: "390" Aggregate Exposure 4 4 4 4 3	4 Surface Pigment Alteration/Removal 4 4 4 4 3
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner	1:4 1:6 Pigment Dilution 1:2 1:4 1:6 1:2 1:3	4 Color: "390" Aggregate Exposure 4 4 4 4 3 3 3	4 Surface Pigment Alteration/Removal 4 4 4 4 3
Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Substrate: Smooth-face CMU Product Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner Sure Klean[®] Burnished Custom Masonry Cleaner	1:4 1:6 Pigment Dilution 1:2 1:4 1:6 1:2 1:3 Pigment	4 Color: "390" Aggregate Exposure 4 4 4 3 3 3 Color: "390" Aggregate	4 Surface Pigment Alteration/Removal 4 4 4 4 3 3 3 Surface Pigment

Scale used for reporting results of both categories

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

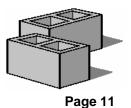




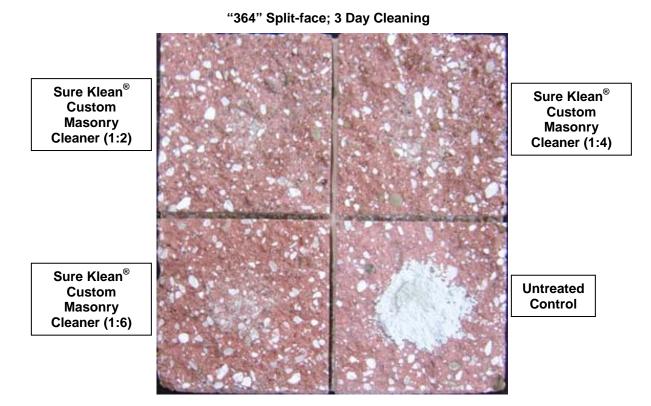
<u>Test Results</u> – Adverse Effects

"225" Ground-face CMU Treated w/ S	Sure Klean [®]	Burnished Block Sealer			
Product	Dilution	Adverse Effects?			
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	No Adverse Effects			
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	No Adverse Effects			
"225" Ground-face CMU Treated w/T-2207 Groundface Block Enhancer (WB)					
Product	Dilution	Adverse Effects?			
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	No Adverse Effects			
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	No Adverse Effects			
"345" Ground-face CMU Treated w/ S	Sure Klean [®]	[®] Burnished Block Sealer			
Product	Dilution	Adverse Effects?			
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	No Adverse Effects			
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	No Adverse Effects			
"345" Ground-face CMU Treated w/T-22	207 Ground	face Block Enhancer (WB)			
Product	Dilution	Adverse Effects?			
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	No Adverse Effects			
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	No Adverse Effects			
"364" Ground-face CMU Treated w/ S	Sure Klean [®]	Burnished Block Sealer			
Product	Dilution	Adverse Effects?			
Sure Klean [®] Burnished Custom Masonry Cleaner	1:2	No Adverse Effects			
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	No Adverse Effects			
"364" Ground-face CMU Treated w/T-22	207 Ground	face Block Enhancer (WB)			
Product	Dilution	Adverse Effects?			
	1:2	No Adverse Effects			
Sure Klean [®] Burnished Custom Masonry Cleaner					
Sure Klean [®] Burnished Custom Masonry Cleaner	1:3	No Adverse Effects			
	1:3	No Adverse Effects			
Sure Klean [®] Burnished Custom Masonry Cleaner "390" Ground-face CMU Treated w/ S Product	1:3	No Adverse Effects			
Sure Klean [®] Burnished Custom Masonry Cleaner "390" Ground-face CMU Treated w/ S Product Sure Klean [®] Burnished Custom Masonry Cleaner	1:3 Sure Klean [®] Dilution 1:2	No Adverse Effects Burnished Block Sealer			
Sure Klean [®] Burnished Custom Masonry Cleaner "390" Ground-face CMU Treated w/ S Product	1:3 Sure Klean [®] Dilution	No Adverse Effects Burnished Block Sealer Adverse Effects?			
Sure Klean [®] Burnished Custom Masonry Cleaner "390" Ground-face CMU Treated w/ S Product Sure Klean [®] Burnished Custom Masonry Cleaner	1:3 Sure Klean [®] Dilution 1:2 1:3	No Adverse Effects Burnished Block Sealer Adverse Effects? No Adverse Effects No Adverse Effects			
Sure Klean [®] Burnished Custom Masonry Cleaner "390" Ground-face CMU Treated w/ S Product Sure Klean [®] Burnished Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner	1:3 Sure Klean [®] Dilution 1:2 1:3	No Adverse Effects Burnished Block Sealer Adverse Effects? No Adverse Effects No Adverse Effects			
Sure Klean [®] Burnished Custom Masonry Cleaner "390" Ground-face CMU Treated w/ S Product Sure Klean [®] Burnished Custom Masonry Cleaner Sure Klean [®] Burnished Custom Masonry Cleaner "390" Ground-face CMU Treated w/T-22	1:3 Sure Klean [®] Dilution 1:2 1:3 207 Ground	No Adverse Effects Burnished Block Sealer Adverse Effects? No Adverse Effects No Adverse Effects Iface Block Enhancer (WB)			

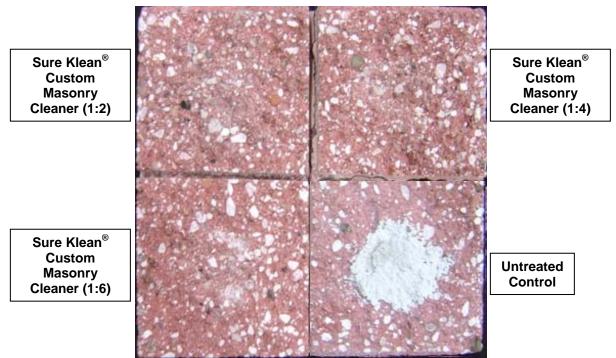




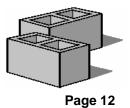
Photographs – New Construction Cleaning



"364" Split-face; 7 Day Cleaning

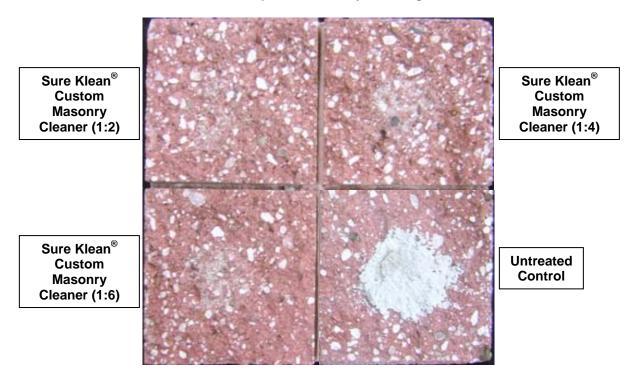




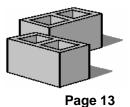


Photographs – New Construction Cleaning

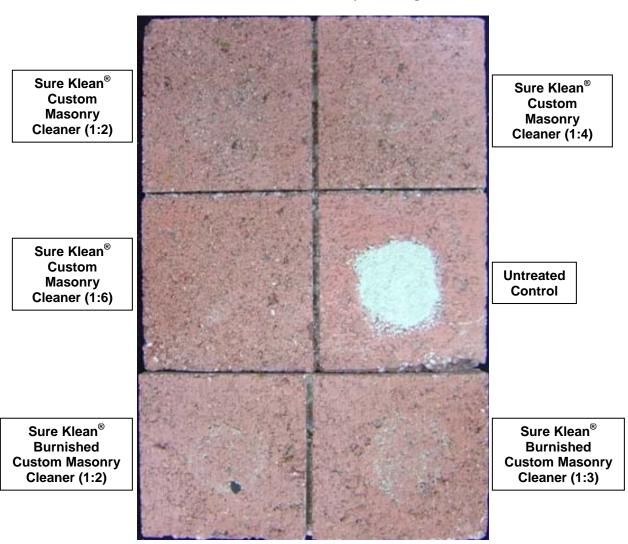
"364" Split-face; 14 Day Cleaning





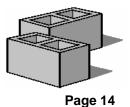


Photographs – New Construction Cleaning



"364" Smooth-face; 3 Day Cleaning

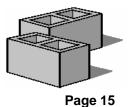




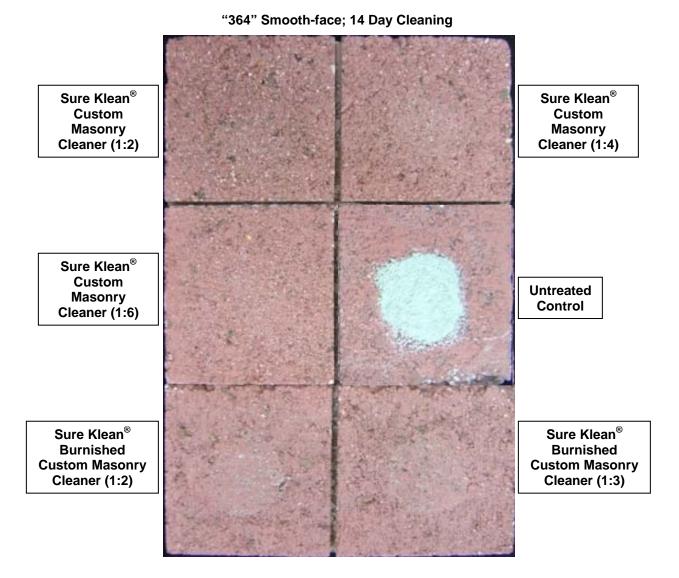
Photographs – New Construction Cleaning



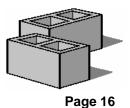




Photographs – New Construction Cleaning







Photographs – New Construction Cleaning

"364" Ground-face (Untreated); 3 Day Cleaning



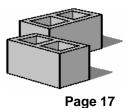
"364" Ground-face (Untreated); 7 Day Cleaning



"364" Ground-face (Untreated); 14 Day Cleaning







Photographs – New Construction Cleaning

"364" Ground-face Treated w/ Sure Klean[®] Burnished Block Sealer; 3 Day Cleaning



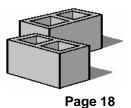
"364" Ground-face Treated w/ Sure Klean[®] Burnished Block Sealer; 7 Day Cleaning



"364" Ground-face Treated w/ Sure Klean[®] Burnished Block Sealer; 14 Day Cleaning

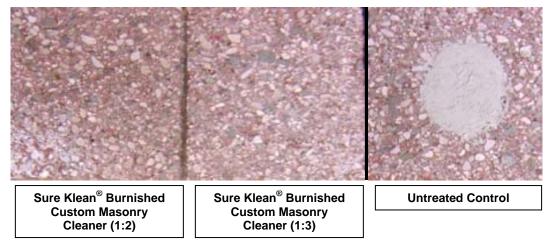




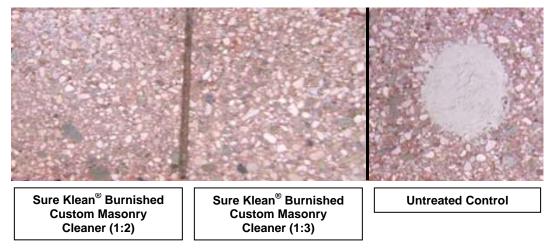


Photographs – New Construction Cleaning

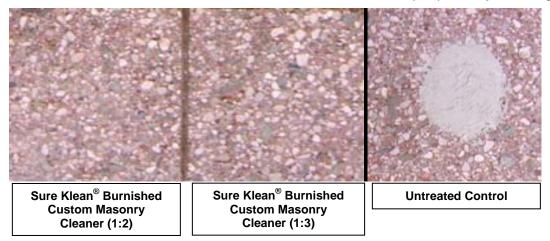
"364" Ground-face Treated w/T-2207 Groundface Block Enhancer (WB); 3 Day Cleaning



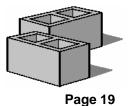
"364" Ground-face Treated w/T-2207 Groundface Block Enhancer (WB); 7 Day Cleaning



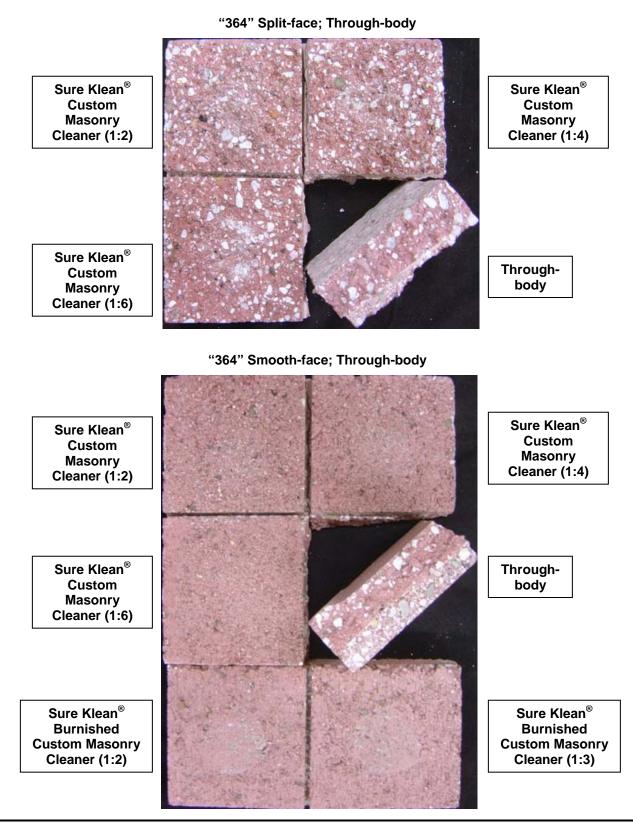
"364" Ground-face Treated w/T-2207 Groundface Block Enhancer (WB); 14 Day Cleaning



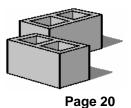




Photographs – Color Uniformity







Photographs - Color Uniformity



Sure Klean[®] Burnished Custom
Masonry Cleaner (1:2)Sure Klean[®] Burnished Custom
Masonry Cleaner (1:3)Through
-body

Photographs – Adverse Effects

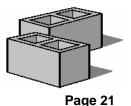
"364" Ground-face Treated w/ Sure Klean® Burnished Block Sealer; Adverse Effects



"364" Ground-face Treated w/ T-2207 Groundface Block Enhancer (WB); Adverse Effects







<u>Conclusions</u> – New Construction Cleaning

Based on the test data, all of the submitted samples were efficiently cleaned with at least one dilution of either Sure Klean[®] Custom Masonry Cleaner or Sure Klean[®] Burnished Custom Masonry Cleaner. Use higher concentrations and surface agitation to maximize aggregate exposure. Use low concentration and surface agitation to minimize aggregate exposure. In all cases, Sure Klean[®] Burnished Block Sealer and T-2207 Groundface Block Enhancer (WB) helped to facilitate easier removal of mortar when applied to the submitted ground-face CMU's.

Recommendations – New Construction Cleaning

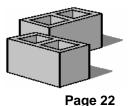
Recommendations for cleaning for each type of CMU submitted by Basalite Block, Dixon, CA are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar while providing the best match to the through-body color of the CMU's and/or limiting adverse effects to the applied in-plant treatments.

Sample	New Construction Cleaning (Type S mortar, 14 day cleaning)
All Submitted Split-face CMU's	Sure Klean [®] Custom Masonry Cleaner (1:2) OR (1:4) OR (1:6)
All Submitted Smooth-face CMU's	Sure Klean [®] Custom Masonry Cleaner (1:2) OR (1:4) OR (1:6)
All Submitted Ground-face CMU's	Sure Klean [®] Burnished Custom Masonry Cleaner (1:2) OR (1:3)
All Submitted Ground-face CMU's Treated w/ Sure Klean [®] Burnished Block Sealer OR T-2207 Groundface Block Enhancer (WB)	Sure Klean [®] Burnished Custom Masonry Cleaner (1:2) OR (1:3)

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.





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

Description of Products Evaluated – Protective Water Repellents

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

Sure Klean[®] Weather Seal Siloxane WB Concentrate – A self-emulsifying water repellent concentrate designed for dilution with fresh water at the job site. This solvent-free blend of silanes and oligomeric alkoxysiloxanes mixes easily with water to produce a penetrating water repellent ideal for application to dense or porous masonry surfaces.

Sample Preparation – Protective Water Repellents

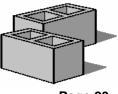
The submitted blocks were scored and allowed to dry for at least 24 hours prior to treatment. Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control II and Sure Klean[®] Weather Seal Siloxane WB Concentrate diluted with nine parts water were applied by a wet-on-wet brushing application in accordance with the PROSOCO, Inc. Product Data Sheet instructions and allowed to cure for at least 72 hours

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.





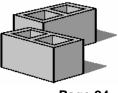
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Test Results - Protective Water Repellents

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

	RESULTS
"225" Split-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	59 mph
Siloxane WB Concentrate 1:9	59 mph
"225" Smooth-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	60 mph
Siloxane WB Concentrate 1:9	60 mph
"225" Ground-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	60 mph
Siloxane WB Concentrate 1:9	60 mph
"345" Split-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	60 mph
Siloxane WB Concentrate 1:9	60 mph
"345" Smooth-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	60 mph
Siloxane WB Concentrate 1:9	60 mph
"345" Ground-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	60 mph
Siloxane WB Concentrate 1:9	60 mph
"364" Split-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	59 mph
Siloxane WB Concentrate 1:9	59 mph
"364" Smooth-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	60 mph
Siloxane WB Concentrate 1:9	60 mph
"364" Ground-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	60 mph
Siloxane WB Concentrate 1:9	60 mph
"390" Split-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	60 mph
Siloxane WB Concentrate 1:9	58 mph





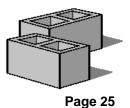
Page 24

Test Results - Protective Water Repellents

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

	RESULTS
"390" Smooth-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	60 mph
Siloxane WB Concentrate 1:9	60 mph
"390" Ground-face CMU	
Untreated Control	<40 mph
Blok-Guard [®] & Graffiti Control II	60 mph
Siloxane WB Concentrate 1:9	60 mph

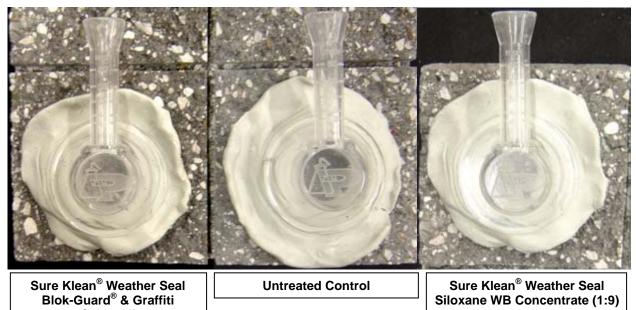




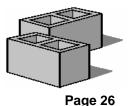
Photographs - Protective Water Repellents

Control II

"390" Split-face CMU; RILEM Testing







Conclusions – Protective Water Repellents

Based upon laboratory evaluations, Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control II and Sure Klean[®] Weather Seal Siloxane WB Concentrate diluted with nine parts water provided excellent water repellency to each of the submitted samples. In addition, Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control II provided a slight color enhancement to the submitted samples. Sure Klean[®] Weather Seal Siloxane WB Concentrate diluted with not cause any noticeable change to the appearance of the submitted samples.

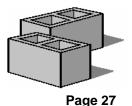
Recommendations – Protective Water Repellents

Recommendations for water repellency treatment for each type of CMU submitted by Basalite Block, Dixon, CA are provided in the chart below. Recommendations are based on the treatment that proved most effective at providing water repellency on all types submitted.

Sample	Water Repellents
All Submitted CMU's	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control II OR Sure Klean [®] Weather Seal Siloxane WB Concentrate (1:9)

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.





Graffiti Control

These trials were conducted to determine the optimal graffiti control treatment for the submitted concrete block samples.

Description of Products Evaluated – Graffiti Control

Graffiti Control Treatments

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

Products Evaluated for Graffiti Removal

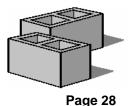
Defacer Eraser[®] **Graffiti Wipe** – An easy-to-use graffiti remover that does not contain methanol, methylene chloride or other halogenated solvents prohibited on many projects. Graffiti Wipe removes a variety of graffiti stains from most smooth masonry, split-face concrete block, wood and metal surfaces.

Sure Klean[®] 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 of the treatments tested to the untreated surfaces of the submitted samples in preventing staining of enamel spray paint and permanent markers.

Sections of the concrete block samples were treated with Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control II in a wet-on-wet brushing application in accordance with the PROSOCO, Inc. Product Data Sheet application instructions and then allowed to cure for at least one day. At the end of the 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 Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control II. Removal of the graffiti agents was attempted 24 hours after application of the graffiti agents, using Defacer Eraser[®] Graffiti Wipe and Sure Klean[®] Fast Acting Stripper.

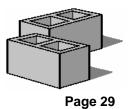
Test Method – Graffiti Control

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

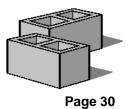




Test Results – Graffiti Control

"225" Split-face CMU					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	70%	70%	50%	70%	65%
Graffiti Wipe	70%	20%	50%	70%	53%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	98%	70%	90%	87%
Graffiti Wipe	95%	98%	70%	90%	88%
	"22	25" Smooth-fac	ce CMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	70%	60%	80%	73%
Graffiti Wipe	85%	10%	40%	40%	44%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	98%	80%	90%	92%
Graffiti Wipe	99%	98%	80%	75%	88%
	"22	25" Ground-fac	e CMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	60%	90%	40%	60%	63%
Graffiti Wipe	60%	30%	40%	40%	43%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	99%	75%	90%	90%
Graffiti Wipe	95%	99%	75%	90%	90%
	"	345" Split-face	CMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	80%	50%	70%	70%
Graffiti Wipe	60%	50%	50%	70%	58%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	99%	95%	95%	96%
Graffiti Wipe	95%	99%	98%	95%	97%
	"34	5" Smooth-fac	ce CMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	85%	80%	85%	84%
Graffiti Wipe	60%	10%	80%	70%	55%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	99%	85%	98%	95%
Graffiti Wipe	99%	98%	85%	98%	95%
	"34	15" Ground-fac	e CMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	75%	40%	70%	80%	66%
Graffiti Wipe	75%	30%	70%	80%	64%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	98%	100%	90%	98%	97%
Graffiti Wipe	98%	100%	90%	98%	97%

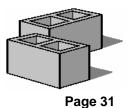




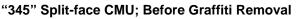
Test Results – Graffiti Control

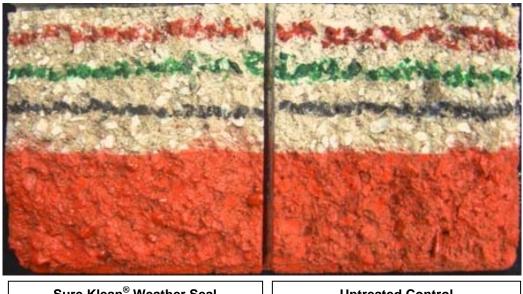
"364" Split-face CMU					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	70%	90%	60%	80%	75%
Graffiti Wipe	50%	10%	60%	80%	50%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	100%	60%	95%	88%
Graffiti Wipe	95%	95%	60%	95%	86%
	"36	64" Smooth-fac	ce CMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	90%	85%	95%	91%
Graffiti Wipe	50%	10%	40%	85%	46%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	99%	85%	99%	96%
Graffiti Wipe	99%	99%	85%	95%	95%
	"36	64" Ground-fac	e CMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	75%	90%	70%	80%	79%
Graffiti Wipe	60%	20%	70%	80%	58%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	100%	90%	95%	96%
Graffiti Wipe	99%	100%	90%	90%	95%
	"	390" Split-face	CMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	90%	60%	90%	80%
Graffiti Wipe	40%	20%	60%	80%	50%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	100%	80%	98%	93%
Graffiti Wipe	95%	100%	80%	95%	93%
	"39	0" Smooth-fac	ce CMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	90%	90%	90%	89%
Graffiti Wipe	60%	20%	80%	90%	63%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	100%	95%	99%	98%
Graffiti Wipe	99%	100%	90%	95%	96%
	"39	0" Ground-fac	e CMU		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	75%	90%	85%	90%	85%
Graffiti Wipe	75%	40%	85%	90%	73%
Blok-Guard [®] & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	100%	90%	95%	95%
Graffiti Wipe	95%	100%	90%	95%	95%





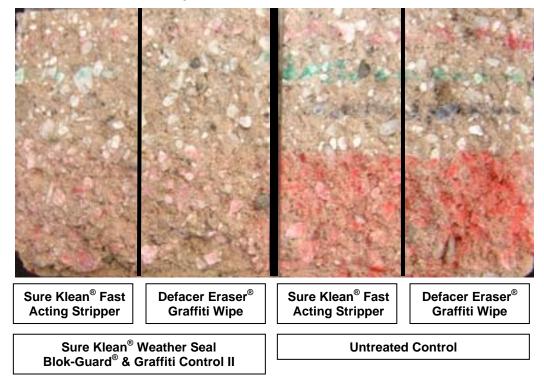
Photographs – Graffiti Control





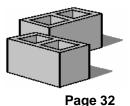
Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control II

Untreated Control



"345" Split-face CMU; After Graffiti Removal





Conclusions – Graffiti Control

Based upon laboratory evaluations, graffiti removal was improved when the submitted samples were treated with Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control II prior to graffiti application. In addition, Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control II provided a slight color enhancement to the submitted samples.

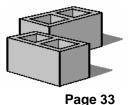
Recommendations – Graffiti Control

Recommendations for graffiti control treatment for each type of CMU submitted by Basalite Block, Dixon, CA are provided in the chart below. Recommendations are based on the treatment 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 CMU's	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control II	Defacer Eraser [®] Graffiti Wipe OR Sure Klean [®] Fast Acting Stripper

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.





Color and Sheen Enhancement

Description of Products Evaluated – Color and Sheen Enhancement

Sure Klean[®] Burnished Block Sealer – A water-based acrylic emulsion for protecting and enhancing the finish of burnished concrete block. Applied with brush, roller or low-pressure sprayer, this milky-white liquid dries quickly to a tightly adhered glossy finish. Burnished Block Sealer provides resistance to the scrapes and scuffs of transport and facilitates the removal of mortar smears and other construction soiling. Following construction cleaning, a treatment of Burnished Block Sealer enhances the appearance of burnished block and makes maintenance cleaning easier.

T-2207 Groundface Block Enhancer (WB) – A safe alternative to conventional solvent reduced acrylics used to protect and enhance the natural color of architectural CMU. This water based, acrylic/epoxy formulation imparts a protective, high gloss "wet look" to treated surfaces.

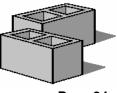
Sample Preparation – Color and Sheen Enhancement

Samples were cleaned with Enviro Klean[®] 2010 All Surface Cleaner diluted with 10 parts water and allowed to dry for at least 24 hours prior to treatment.

Test Method – Color and Sheen Enhancement

Sure Klean[®] Burnished Block Sealer and T-2207 Groundface Block Enhancer (WB) were applied by brush in accordance with the application instructions in the current PROSOCO, Inc. Product Data Sheets. Visual examinations for color and sheen enhancement were then made, comparing the treated surfaces to an untreated surface.





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Test Results – Color and Sheen Enhancement

"225" Ground-face CMU			
Treatment	Color Enhancement	Sheen Enhancement	
Sure Klean [®] Burnished Block Sealer	1	3	
T-2207 Groundface Block Enhancer (WB)	2	3	
"345" Ground-face CMU			
Treatment	Color Enhancement	Sheen Enhancement	
Sure Klean [®] Burnished Block Sealer	1	3	
T-2207 Groundface Block Enhancer (WB)	2	3	
"364" Ground-face CMU			
Treatment	Color Enhancement	Sheen Enhancement	
Sure Klean [®] Burnished Block Sealer	1	3	
T-2207 Groundface Block Enhancer (WB)	3	3	
"390" Ground-face CMU			
Treatment	Color Enhancement	Sheen Enhancement	
Sure Klean [®] Burnished Block Sealer	1	3	
T-2207 Groundface Block Enhancer (WB)	2	3	

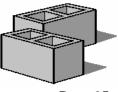
- Scale: 0- No Enhancement; Dull
 - 1- Slight Enhancement
 - 2- Moderate Enhancement
 - 3- Significant Enhancement

Photographs – Color and Sheen Enhancement

"364" Ground-face CMU; Treatments Applied







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Recommendations – Color and Sheen Enhancement

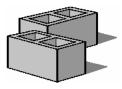
Recommendations for color and sheen enhancement for the ground-face CMU's submitted by Basalite Block, Dixon, CA are provided in the chart below. Recommendations are based on the treatment that proved most effective in providing color and sheen enhancement to the submitted ground-face CMU's.

Sample	Color and Sheen Enhancement
All Submitted Ground-face CMU's	T-2207 Groundface Block Enhancer (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 product and procedures for a particular project. See product literature for additional application and product information.

Christopher A. Moore Project Testing Laboratory Technician

CAM



Laboratory Report

Pallet Tag Program Evaluation

Basalite Block Dixon, CA

Project No. 0508-07 PTP

Prepared For:

Basalite Block 605 Industrial Way Dixon, CA 95620

Prepared By:

PROSOCO, Inc. November 2005