



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 1

TABLE OF CONTENTS

SAMPLES SUBMITTED..... 3
 PURPOSE OF TEST 4
 PRODUCTS EVALUATED..... 5

SECTION A – CLEANING INTEGRALLY COLORED CMU's

DESCRIPTION OF PRODUCTS EVALUATED..... 6
 TEST METHOD..... 6
 TEST RESULTS7-8
 CONCLUSIONS 9
 RECOMMENDATIONS 9

SECTION B – COLOR UNIFORMITY

DESCRIPTION OF PRODUCTS EVALUATED.....10
 TEST METHOD.....10
 TEST RESULTS 11-12
 PHOTOGRAPHS OF CMU COLOR UNIFORMITY TESTING13
 CONCLUSIONS14
 RECOMMENDATIONS14

SECTION C - PROTECTIVE WATER REPELLENTS

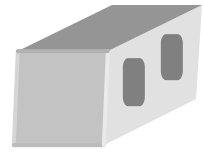
DESCRIPTION OF PRODUCTS EVALUATED.....15
 TEST METHODS.....15
 TEST RESULTS16
 PHOTOGRAPHS OF CMU WATER REPELLENCY17
 CONCLUSIONS18
 RECOMMENDATIONS18

SECTION D – GRAFFITI CONTROL

DESCRIPTION OF PRODUCTS EVALUATED.....19
 TEST METHOD.....20
 TEST RESULTS20-21
 PHOTOGRAPHS OF CMU GRAFFITI TESTING22
 CONCLUSIONS23
 RECOMMENDATIONS23



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 2

Attachments

Technical Services TECH Note RILEM Tube Test Procedures

Product Data literature for all products evaluated



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 3

FOR: Robert J. Klee
cc: Joe Talecki
John Bourne
Stephen Dean

SUBJECT: Clayton Block Company, Inc.
Lakewood, New Jersey

DATE: December 19 2002

PROJECT: 0210-19 PTP

SAMPLES SUBMITTED: (5) Burnished blocks of varying colors

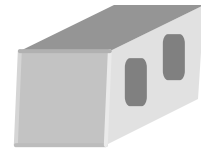
<u>Block</u>	<u>Color</u>	<u>Size</u>
(5) Burnished Block	"CP 23"	15½" x 7½" x 3½"
(5) Burnished Block	"CP 11-G"	15½" x 7½" x 3½"
(4) Burnished Block	"CP-MB5"	15½" x 7½" x 3½"
(4) Burnished Block	"CP-1D"	15½" x 7½" x 3½"
(4) Burnished Block	"CP-28"	15½" x 7½" x 3½"

Also submitted: (1) bag of Brixment in Colors[®] Type S mortar, red in color

Submitted by: Joe Talecki



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 4

PURPOSE OF TESTING:

Five integrally colored burnished concrete blocks with large, small, and fine aggregate were submitted for testing using PROSOCO's new construction cleaning, water repellent products, and graffiti control products.

A. Cleaning Concrete Masonry Units: Sure Klean[®] Custom Masonry Cleaner and Sure Klean[®] Burnished Custom Masonry Cleaner were evaluated for removal of laboratory applied mortar.

To simulate new construction soiling, all CMU'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 CMU and filled with a wet mixture of Ash Grove[®] Type S mortar or "Brixment in Colors[®] Type S mortar (the latter submitted with the blocks). The wet, mortar-filled cylinder is allowed to remain in contact with the CMU 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 Ash Grove[®] Type S mortar and Brixment in Colors[®] Type S mortar staining after 3 days, 7 days, and 14 days of curing.

B. Color Uniformity Testing* - Sure Klean[®] Custom Masonry Cleaner and Sure Klean[®] Burnished Custom Masonry Cleaner were evaluated at various dilutions to determine the optimal concentration of cleaner that leaves the external surface looking most like the natural through-body color of the CMU. Color uniformity was evaluated by comparing aggregate exposure and surface pigment alternation/removal of each cleaned surface compared to the natural through-body color of the CMU.

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

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

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

0 – 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	

* NOTE: When cleaning integrally colored CMU.

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 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.

C. Protective Water Repellents - Sure Klean[®] Weather Seal Siloxane WB Concentrate was evaluated for its ability to provide water repellency to the submitted samples.

D. Graffiti Control – Defacer Eraser[®] Graffiti Barrier S was evaluated for its ability to control graffiti on the submitted samples. Defacer Eraser[®] Fast Acting Stripper, Defacer Eraser[®] Graffiti Wipe, and Defacer Eraser[®] Graffiti Release were evaluated for their ability to remove graffiti from the submitted samples.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 5

PRODUCTS EVALUATED FOR CLEANING AND COLOR UNIFORMITY

Sample	Product	Dilution
All CMU's Submitted	Sure Klean [®] Custom Masonry Cleaner	1:6
All CMU's Submitted	Sure Klean [®] Burnished Custom Masonry Cleaner	1:2, 1:3

WATER REPELLENT PRODUCTS EVALUATED

Sample	Product	Dilution
All CMU's Submitted	Sure Klean [®] Weather Seal Siloxane WB Concentrate	1:9, 1:14

GRAFFITI CONTROL PRODUCTS EVALUATED

Sample	Product
All CMU's Submitted	Defacer Eraser [®] Graffiti Barrier S

GRAFFITI REMOVAL PRODUCTS EVALUATED

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



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 6

SECTION A – CLEANING INTEGRALLY COLORED CMU'S

DESCRIPTION OF PRODUCTS EVALUATED

These cleaning trials were conducted to determine the optimal cleaning/cure time combination.

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 - A general-purpose, non-etching acidic cleaner that removes rust, mud, oil, atmospheric dirt, mortar smears and other stains without altering the surface texture. Burnished Custom Masonry Cleaner adds depth to colors, brightens white matrices and exposed aggregate.

TEST METHOD – Cleaning

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

1. Prewet the surface with water.
2. Apply each cleaner at the appropriate dilutions.
3. Allow appropriate dwell time for each cleaner:
 - Custom Masonry Cleaner 3 minutes
 - Burnished Custom Masonry Cleaner 5 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.

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



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 7

TEST RESULTS – Cleaning – Brixment in Colors[®] Type S mortar submitted with CMU's

% removal

“CP 23” burnished block				
Product	Dilution	3 day	7 day	14 day
Custom Masonry Cleaner	1:6	100%	100%	100%
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
“CP 11-G” burnished block				
Product	Dilution	3 day	7 day	14 day
Custom Masonry Cleaner	1:6	100%	100%	100%
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
“CP-MB5” burnished block				
Product	Dilution	3 day	7 day	14 day
Custom Masonry Cleaner	1:6	100%	100%	100%
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
“CP-1D” burnished block				
Product	Dilution	3 day	7 day	14 day
Custom Masonry Cleaner	1:6	100%	100%	100%
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
“CP-28” burnished block				
Product	Dilution	3 day	7 day	14 day
Custom Masonry Cleaner	1:6	100%	100%	100%
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 8

TEST RESULTS – Cleaning – Ash Grove® Type S mortar

% removal

“CP 23” burnished block				
Product	Dilution	3 day	7 day	14 day
Custom Masonry Cleaner	1:6	100%	100%	100%
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
“CP 11-G” burnished block				
Product	Dilution	3 day	7 day	14 day
Custom Masonry Cleaner	1:6	100%	100%	100%
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
“CP-MB5” burnished block				
Product	Dilution	3 day	7 day	14 day
Custom Masonry Cleaner	1:6	100%	100%	100%
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
“CP-1D” burnished block				
Product	Dilution	3 day	7 day	14 day
Custom Masonry Cleaner	1:6	100%	100%	100%
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
“CP-28” burnished block				
Product	Dilution	3 day	7 day	14 day
Custom Masonry Cleaner	1:6	100%	100%	100%
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 9

CONCLUSIONS - Cleaning

Based upon the test data, all of the submitted concrete block were efficiently cleaned with all dilutions tested of Sure Klean[®] Custom Masonry Cleaner and Sure Klean[®] Burnished Custom Masonry Cleaner, using both Brixment in Colors[®] Type S mortar and Ash Grove[®] Type S mortar. 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[®] Custom Masonry Cleaner and Sure Klean[®] Burnished Custom Masonry Cleaner tested affected the substrate in a similar manner, removing slight to heavy concentrations of pigmented matrix from the concrete blocks exposing small and large aggregate, and enhancing the natural appearance of the integrally colored concrete masonry unit.

RECOMMENDED PRODUCTS AND DILUTIONS - CLEANING

Recommendations for cleaning for each type of CMU submitted by Clayton Block Company, Inc. in Lakewood, New Jersey are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar.

CMU Type	Color	New Construction Cleaning (Both Type S mortars, 14 day)
Burnished Block	"CP 23"	Sure Klean [®] Burnished Custom Masonry Cleaner (1:3)
Burnished Block	"CP 11-G"	
Burnished Block	CP-MB5"	
Burnished Block	"CP-1D"	
Burnished Block	"CP-28"	

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.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 10

SECTION B – COLOR UNIFORMITY:

DESCRIPTION OF PRODUCTS EVALUATED – Color Uniformity:

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 - A general-purpose, non-etching acidic cleaner that removes rust, mud, oil, atmospheric dirt, mortar smears and other stains without altering the surface texture. Burnished Custom Masonry Cleaner adds depth to colors, brightens white matrices and exposed aggregate.

TEST METHOD – Color Uniformity Testing:

Dilution ratios refer to mixtures of concentrated cleaner : fresh water.

1. Prewet the surface with water.
2. Apply each cleaner at the appropriate dilutions.
3. Allow appropriate dwell time, as specified.

Custom Masonry Cleaner	3 minutes
Burnished Custom Masonry Cleaner	5 minutes
4. Reapply the products 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 was conducted at approximately 1300 psi with a warm water flow rate of 1.9 gallons per minute.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 11

TEST RESULTS – Color Uniformity

Substrate: Burnished Block		Pigment Color: "CP 23"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:6	3	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Substrate: Burnished Block		Pigment Color: "CP 11-G"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:6	3	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Substrate: Burnished Block		Pigment Color: "CP-MB5"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:6	4	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4
Substrate: Burnished Block		Pigment Color: "CP-1D"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:6	3	4
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	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 | |



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 12

TEST RESULTS – Color Uniformity Continued

Substrate: Burnished block		Pigment Color: "CP-28"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Custom Masonry Cleaner	1:6	3	3
Burnished Custom Masonry Cleaner	1:2	4	4
Burnished Custom Masonry Cleaner	1:3	4	4

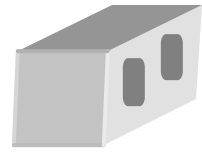
Scale used for reporting results of both categories

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

3 – **Good** match to through-body
4 – **Best** match to through-body



PALLET TAG PROGRAM LABORATORY REPORT

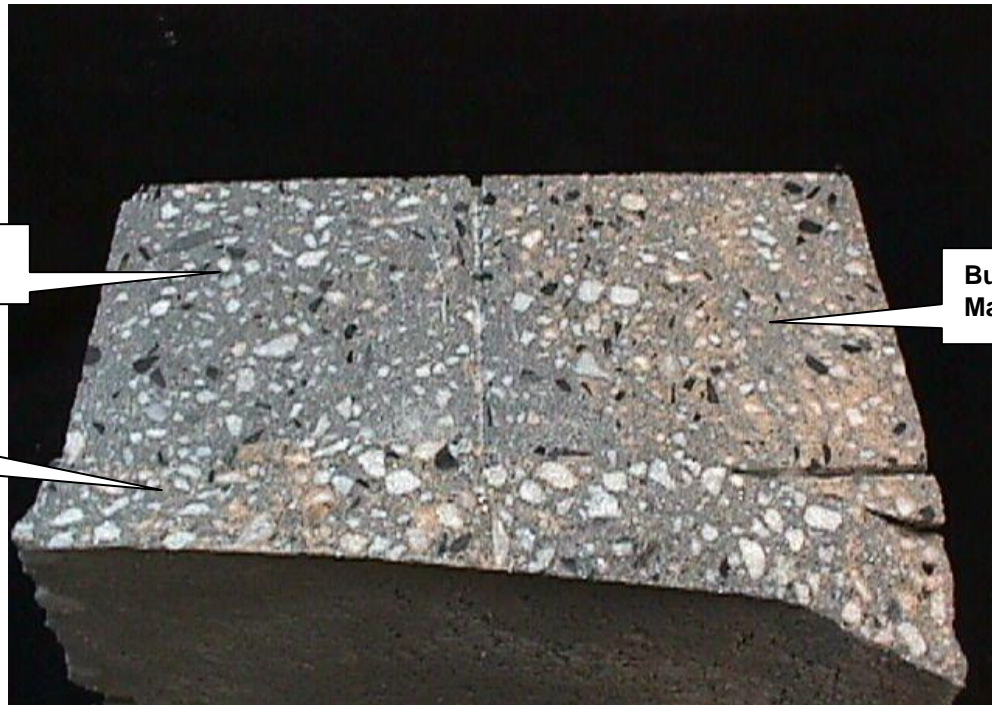


PROSOCO, Inc.

Page 13

PHOTOGRAPHS – Color Uniformity

“CP-28”
Burnished block



Burnished Custom
Masonry Cleaner 1:2

Burnished Custom
Masonry Cleaner 1:3

Through-
body color



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 14

CONCLUSIONS - COLOR UNIFORMITY:

All dilutions of Sure Klean[®] Custom Masonry Cleaner and Sure Klean[®] Burnished Custom Masonry Cleaner tested affected the substrate in a similar manner. Higher concentrations of cleaner removed moderate to heavy concentrations of pigmented matrix, exposing small and large aggregate. Lower concentrations of cleaner removed slight to moderate concentrations of pigmented matrix, exposing small and large aggregate. All dilutions enhanced the natural appearance of the integrally colored CMU.

RECOMMENDATIONS - COLOR UNIFORMITY

Recommendations for color uniformity for each type of CMU submitted by Clayton Block Company, Inc. in Lakewood, New Jersey are provided in the chart below. Recommendations are based on the optimum dilution that provides the best color uniformity.

CMU Type	Color	Color Uniformity
Burnished Block	"CP 23"	Sure Klean [®] Burnished Custom Masonry Cleaner (1:3)
Burnished Block	"CP 11-G"	
Burnished Block	"CP-MB5"	
Burnished Block	"CP-1D"	
Burnished Block	"CP-28"	

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.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 15

SECTION C - 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

DESCRIPTIONS OF PRODUCTS EVALUATED - Protective Water Repellents:

Sure Klean[®] Weather Seal Siloxane WB Concentrate – A self-emulsifying water repellent concentrate designed for dilution with fresh water at the jobsite. 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, allowed to dry, and to reabsorb atmospheric humidity for 24 hours prior to treatment. The treatment method consisted of a wet-on-wet brush application. All treatments were allowed to cure at least 3 days prior to testing.

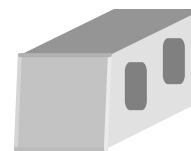
TEST METHODS - Protective Water Repellents:

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.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 16

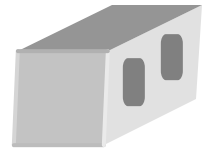
TEST RESULTS - Protective Water Repellents

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

	RESULTS
"CP 23" burnished block	
Untreated Control	52 mph
Siloxane WB Concentrate (1:9)	60 mph
Siloxane WB Concentrate (1:14)	60 mph
"CP 11-G" burnished block	
Untreated Control	55 mph
Siloxane WB Concentrate (1:9)	60 mph
Siloxane WB Concentrate (1:14)	60 mph
"CP-MB5" burnished block	
Untreated Control	58 mph
Siloxane WB Concentrate (1:9)	60 mph
Siloxane WB Concentrate (1:14)	59 mph
"CP-1D" burnished block	
Untreated Control	50 mph
Siloxane WB Concentrate (1:9)	60 mph
Siloxane WB Concentrate (1:14)	60 mph
"CP-28" burnished block	
Untreated Control	57 mph
Siloxane WB Concentrate (1:9)	60 mph
Siloxane WB Concentrate (1:14)	60 mph



PALLET TAG PROGRAM LABORATORY REPORT

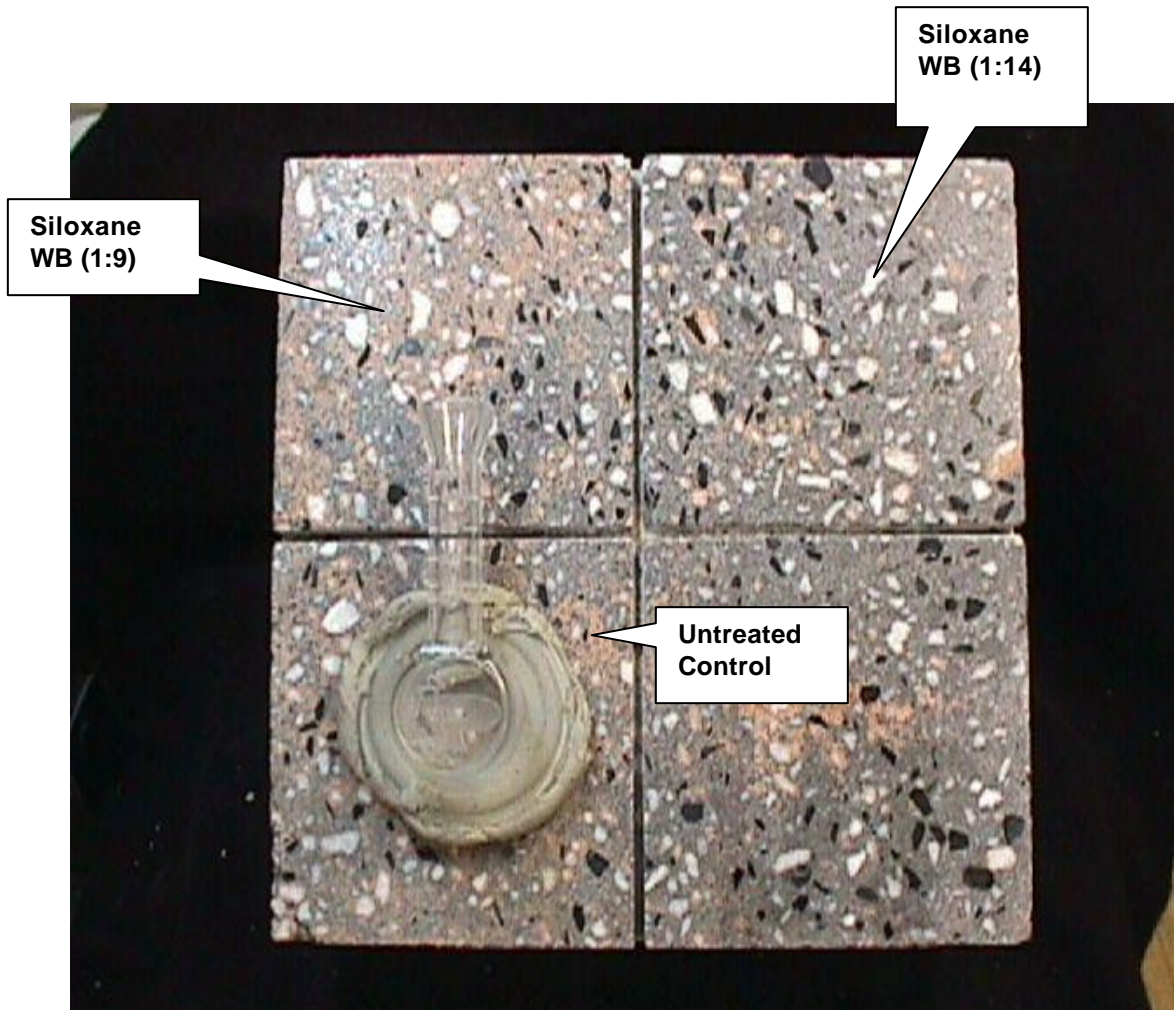


PROSOCO, Inc.

Page 17

PHOTOGRAPHS – Protective Water Repellents

“CP- MB5”
Burnished CMU





PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 18

CONCLUSIONS - Protective Water Repellents

Based upon laboratory evaluations, Sure Klean[®] Weather Seal Siloxane WB Concentrate diluted with both nine and fourteen parts fresh water provided excellent water repellency to all of the submitted samples.

RECOMMENDATIONS - PROTECTIVE WATER REPELLENTS

Recommendations for water repellency treatment for each type of CMU submitted by Clayton Block Company, Inc., in Lakewood, New Jersey provided in the chart below. Recommendations are based on the treatment that proved most effective and can provide water repellency on all types submitted.

CMU Type	Color	Water Repellent
Burnished Block	"CP 23"	Sure Klean [®] Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean [®] Weather Seal Siloxane WB Concentrate (1:14)
Burnished Block	"CP 11-G"	
Burnished Block	"CP-MB5"	
Burnished Block	"CP-1D"	
Burnished Block	"CP-28"	

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.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 19

SECTION D – GRAFFITI CONTROL

DESCRIPTION OF PRODUCTS EVALUATED

These trials were conducted to determine the optimal graffiti control treatment.

Graffiti Control Treatments

Defacer Eraser[®] Graffiti Barrier S - A clear, water-based sacrificial coating for control of graffiti on most buildings surfaces. Easy-to-apply Graffiti Barrier S stops spray paints, crayons, and ink from penetrating and staining the underlying surface.

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, wood, and metal surfaces.

Sure Klean[®] Fast Acting Stripper- A thixotropic stripping compound designed for removing coatings and epoxies from masonry, wood and metal surfaces. It also removes oil, grease, and waxes from concrete decks, tile, and terrazzo floors.

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

Graffiti Agents

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

SAMPLE PREPARATION – Graffiti Control

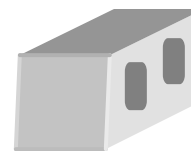
This evaluation compares the effectiveness in preventing staining of enamel spray paint and permanent markers.

Sections of the concrete samples were treated with two applications of Defacer Eraser[®] Graffiti Barrier S in accordance with PROSOCO, Inc.’s Product Guide application recommendations and then allowed to cure for a 24 hour period. At the end of the period, a visual adverse effects evaluation was made and the graffiti agents were applied to the substrates.

Spray paint and markers were applied as graffiti agents to all treated surfaces at least 24 hours following application of Defacer Eraser[®] Graffiti Barrier S. Removal of graffiti agents was attempted 24 hours after the application of the graffiti agents with Defacer Eraser[®] Graffiti Wipe, Sure Klean[®] Fast Acting Stripper, and Defacer Eraser[®] Graffiti Release.



PALLET TAG PROGRAM LABORATORY REPORT



TEST METHOD – Graffiti Control

Chemical cleaners were evaluated using the following procedure:

1. Apply the product to a dry surface, soiled with graffiti.
2. Allow appropriate dwell time:
 - Fast Acting Stripper 20 minutes
 - Graffiti Release..... 15 minutes
 - Graffiti Wipe 5 minutes
3. Pressure rinse thoroughly until water runs clear. *
4. Allow the surface to dry thoroughly and visually examine to determine effectiveness.

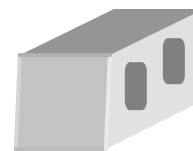
* Pressure rinsing was conducted at approximately 1300 psi with a warm water flow rate of 1.9 gallons per minute.

TEST RESULTS – Graffiti Control

“CP 23” burnished block					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	80%	80%	90%	86.25%
Graffiti Wipe	95%	85%	80%	85%	86.25%
Graffiti Release	60%	70%	80%	85%	73.75%
Graffiti Barrier S	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%
Graffiti Release	60%	100%	100%	100%	90%
“CP 11-G” burnished block					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	85%	85%	80%	82.5%
Graffiti Wipe	80%	80%	85%	80%	81.25%
Graffiti Release	60%	80%	80%	75%	73.75%
Graffiti Barrier S	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	90%	100%	100%	100%	97.50%
Graffiti Release	65%	100%	100%	100%	91.25%



PALLET TAG PROGRAM LABORATORY REPORT



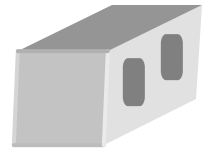
PROSOCO, Inc.

Page 21

“CP-MB5” burnished block					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	85%	90%	90%	90%
Graffiti Wipe	95%	90%	80%	85%	87.5%
Graffiti Release	85%	80%	80%	90%	81.25%
Graffiti Barrier S	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%
Graffiti Release	70%	100%	100%	100%	92.5%
“CP-1D” burnished block					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	70%	70%	70%	72.5%
Graffiti Wipe	70%	70%	70%	70%	70%
Graffiti Release	80%	70%	70%	70%	72.5%
Graffiti Barrier S	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%
Graffiti Release	70%	80%	80%	85%	78.75%
“CP-28” burnished block					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	85%	90%	90%	88.75%
Graffiti Wipe	80%	85%	90%	80%	83.75%
Graffiti Release	70%	85%	80%	80%	78.75%
Graffiti Barrier S	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%
Graffiti Release	80%	100%	100%	100%	95%



PALLET TAG PROGRAM LABORATORY REPORT



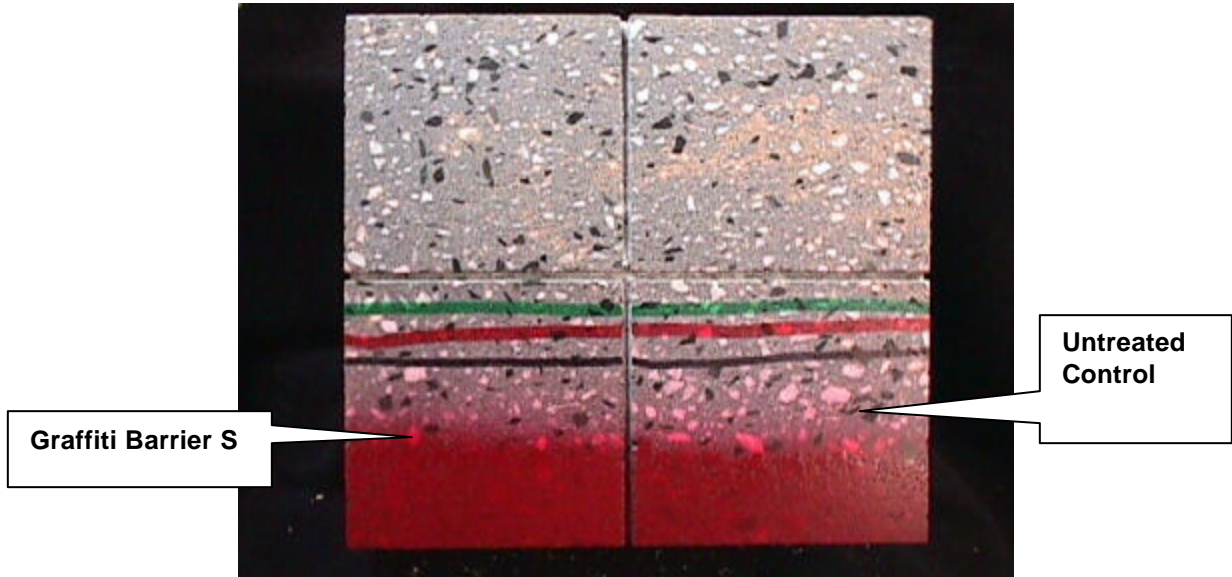
PROSOCO, Inc.

Page 22

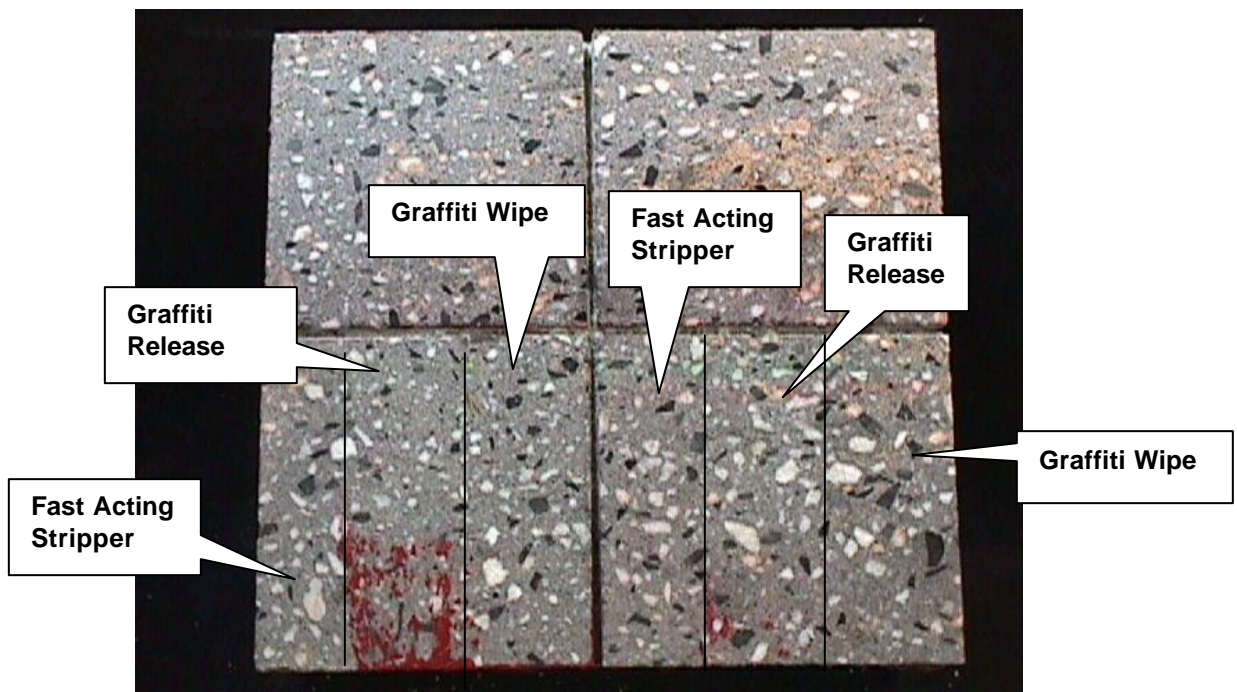
PHOTOGRAPHS – Graffiti Control

“CP-28” Burnished CMU

Before Graffiti Removal



After Graffiti Removal





PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 23

CONCLUSIONS – Graffiti Control

Based upon laboratory evaluations, Sure Klean[®] Fast Acting Stripper and Defacer Eraser[®] Graffiti Wipe were most effective at removing graffiti from the submitted samples. Graffiti removal was improved when the submitted samples were treated with Defacer Eraser[®] Graffiti Barrier S.

RECOMMENDATIONS – GRAFFITI CONTROL

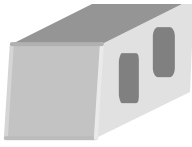
Recommendations for graffiti control treatment for each type of CMU submitted by Clayton Block Company, Inc., in Lakewood, New Jersey are provided in the chart below. Recommendations are based on the treatment that proved most effective for providing graffiti repellency and the product that was most effective at removing the graffiti on all types submitted.

CMU Type	Graffiti Repellents	Graffiti Removers
“CP 23” Burnished block	Defacer Eraser [®] Graffiti Barrier S	Sure Klean [®] Fast Acting Stripper OR Defacer Eraser [®] Graffiti Wipe
“CP 11-G” Burnished block		
“CP-MB5” Burnished block		
“CP-1D” Burnished block		
“CP-28” Burnished block		

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 graffiti control product and procedure for a particular project. See product literature for additional application and product information.

Michael Meglemre
Technical Analyst

MM/



Laboratory Report

Pallet Tag Program Evaluation

**Clayton Block Company, Inc.
Lakewood, New Jersey**

Project No. 0210-19

Prepared For:

**Robert J. Klee
Clayton Block Company, Inc.
P.O. Box 3015
Lakewood, New Jersey 08701- 8115**

Prepared By:



***PROSOCO, Inc.
December 2002***