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 Technical Services TECH Note RILEM Tube Test Procedures

 Product Data literature for all products evaluated

Submitted Information

For: Stan Harwell
cc: Steve Dean

Subject: Betco/Supreme Block
 Manassas, VA

Date: September 20, 2007

Project: 0708-17 PTP

Samples Submitted: 6 types of "Quik-Brik" Concrete Brick

Name	Color	Size	Integral Water Repellant
"Promenade"	Dark Gray	8" x 8" x 16"	DRY-BLOCK®
"Earhtone"	Red	8" x 8" x 16"	DRY-BLOCK®
"Lawson"	White	8" x 8" x 16"	DRY-BLOCK®
"Autumn"	Gray	8" x 8" x 16"	DRY-BLOCK®
"Cedarwood"	Brown	8" x 8" x 16"	DRY-BLOCK®
"Richfield"	Green	8" x 8" x 16"	DRY-BLOCK®

Submitted by: Stan Harwell

Introduction

Architectural Materials Testing (AMT) Laboratories is a Boyer Industries company that provides laboratory testing and consulting services for the construction industry. Laboratory testing includes evaluating chemical cleaning products and protective treatments for a variety of new and existing architectural materials.

This report includes descriptions of the PROSOCO, Inc. products and test methods that were used. Following test results and conclusions, the report provides recommendations for the most effective products and procedures. The effectiveness of protective water repellents and graffiti control products suitable for concrete brick was also evaluated.

Purpose of Testing

Six types of “Quik-Brik” concrete brick were submitted to AMT Laboratories by PROSOCO, Inc. with a request to determine the optimal cleaning/cure time combination to most efficiently remove Type S and Type N mortar from the submitted concrete brick while leaving the cleaned surface looking most like the uncleaned surface. The effectiveness of protective water repellents and graffiti control products suitable for concrete brick was also evaluated.

New Construction Cleaning – Sure Klean® Concrete Brick Cleaner was tested at various dilutions to determine the optimal concentration of cleaner to efficiently remove laboratory applied Type S and Type N mortar while leaving the cleaned surface looking most like the uncleaned surface of the submitted concrete brick.

To simulate new construction soiling, all samples were placed on a bench with finished surface facing upward. Hollow cylinders measuring 50 mm in diameter and 75 mm tall were positioned on top of each concrete brick and filled with a wet mixture of Type S or Type N cementitious mortar. The wet mortar-filled cylinder was allowed to remain in contact with the concrete brick for 10 minutes before removal. Soiled samples were allowed to dry before test cleaning.

Heavy deposits of mortar were removed with dry scraping after 24 hours. Prepared cleaning solutions were then evaluated for their effectiveness in removing any residual Type S mortar after 3, 7, and 14 days of curing and Type N mortar after 7, 14 and 21 days of curing.

Color uniformity was evaluated by comparing aggregate exposure and surface pigment alternation/removal of each cleaned surface with the uncleaned surface of the submitted concrete brick.

Aggregate Exposure is the visual examination comparing aggregate exposure of the uncleaned surface of the concrete brick to surfaces cleaned with the selected product(s) at given dilutions.

Surface Pigment Alteration/Removal is the visual examination comparing the surface pigmentation of the uncleaned surface of the concrete brick to surfaces cleaned with the selected product(s) at given dilutions.

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

- | | |
|---|--|
| 0 – Worst match to uncleaned surface | 3 – Good match to uncleaned surface |
| 1 – Poor match to uncleaned surface | 4 – Best match to uncleaned surface |
| 2 – Fair match to uncleaned surface | |

Protective Water Repellents – Sure Klean® Custom Masonry Sealer and Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) 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.

Products Evaluated**New Construction Cleaning Products Evaluated**

Sample	Product	Dilution
All Submitted Samples	Sure Klean® Concrete Brick Cleaner	1:2, 1:3

Protective Water Repellent Products Evaluated

Sample	Product	Dilution
All Submitted Samples	Sure Klean® Custom Masonry Sealer	Concentrate
	Sure Klean® Weather Seal Siloxane WB Concentrate	(1:9)

Graffiti Control Products Evaluated

Sample	Product	Dilution
All Submitted Samples	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	Concentrate

Graffiti Removal Products Evaluated

Sample	Product	Dilution
All Submitted Samples	Sure Klean® Fast Acting Stripper	Concentrate
	Defacer Eraser® Graffiti Wipe	Concentrate

New Construction Cleaning

These cleaning trials were conducted to determine the optimal concentration of cleaner to most efficiently remove Type N and Type S mortar from the submitted samples while providing the best color uniformity when compared to the uncleaned surface of the submitted concrete brick.

Description of Products Evaluated – New Construction Cleaning

Sure Klean® Concrete Brick Cleaner – Removes common construction and atmospheric staining from concrete brick 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. Concrete Brick Cleaner adds depth to colors and brightens white matrices and exposed aggregate.

Sample Preparation – New Construction Cleaning

Type N and Type S mortar were prepared in compliance with the manufacturer’s instructions, applied to the samples and allowed to cure for 3, 7, and 14 days for Type S and 7, 14, and 21 days for Type N mortar. 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. The removal of Type N masonry mortar was visually evaluated after 7, 14, and 21 days of curing. A visual examination was also made to determine the optimal dilution of the tested cleaners that provides the best color uniformity when compared to the uncleaned surface of the concrete brick.

Test Method – New Construction Cleaning

Chemical cleaners were evaluated using the following procedure:

1. Pre-wet the surface with water.
2. Apply at the appropriate dilutions.
3. Allow appropriate dwell time, as specified.
 Sure Klean® Concrete Brick Cleaner3 minutes
4. Reapply the product and moderately agitate with a brush.
5. Pressure rinse thoroughly.*
6. Visually compare the color of the cleaned surfaces of the concrete brick to an uncleaned surface 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.

Test Results – New Construction Cleaning**Cleaning Effectiveness (% Type S Mortar Removal)**

“Promenade” Concrete Brick				
Product	Dilution	3 day	7 day	14 day
Concrete Brick Cleaner	1:2	90%	90%	95%
Concrete Brick Cleaner	1:3	90%	90%	90%
“Cedarwood” Concrete Brick				
Product	Dilution	3 day	7 day	14 day
Concrete Brick Cleaner	1:2	95%	80%	95%
Concrete Brick Cleaner	1:3	95%	90%	95%
“Earthtone” Concrete Brick				
Product	Dilution	3 day	7 day	14 day
Concrete Brick Cleaner	1:2	90%	85%	100%
Concrete Brick Cleaner	1:3	95%	90%	100%
“Autumn” Concrete Brick				
Product	Dilution	3 day	7 day	14 day
Concrete Brick Cleaner	1:2	100%	80%	95%
Concrete Brick Cleaner	1:3	90%	85%	95%
“Lawson” Concrete Brick				
Product	Dilution	3 day	7 day	14 day
Concrete Brick Cleaner	1:2	95%	90%	95%
Concrete Brick Cleaner	1:3	95%	90%	100%
“Richfield” Concrete Brick				
Product	Dilution	3 day	7 day	14 day
Concrete Brick Cleaner	1:2	85%	85%	90%
Concrete Brick Cleaner	1:3	80%	85%	85%

Test Results – New Construction Cleaning**Cleaning Effectiveness (% Type N Mortar Removal)**

“Promenade” Concrete Brick				
Product	Dilution	7 day	14 day	21 day
Concrete Brick Cleaner	1:2	75%	85%	90%
Concrete Brick Cleaner	1:3	75%	85%	90%
“Cedarwood” Concrete Brick				
Product	Dilution	7 day	14 day	21 day
Concrete Brick Cleaner	1:2	70%	85%	85%
Concrete Brick Cleaner	1:3	70%	85%	85%
“Earthtone” Concrete Brick				
Product	Dilution	7 day	14 day	21 day
Concrete Brick Cleaner	1:2	75%	80%	85%
Concrete Brick Cleaner	1:3	80%	75%	90%
“Autumn” Concrete Brick				
Product	Dilution	7 day	14 day	21 day
Concrete Brick Cleaner	1:2	75%	75%	80%
Concrete Brick Cleaner	1:3	80%	75%	85%
“Lawson” Concrete Brick				
Product	Dilution	7 day	14 day	21 day
Concrete Brick Cleaner	1:2	75%	85%	85%
Concrete Brick Cleaner	1:3	80%	85%	90%
“Richfield” Concrete Brick				
Product	Dilution	7 day	14 day	21 day
Concrete Brick Cleaner	1:2	75%	80%	85%
Concrete Brick Cleaner	1:3	70%	75%	85%

Test Results – Color Uniformity, Type S and Type N Mortar

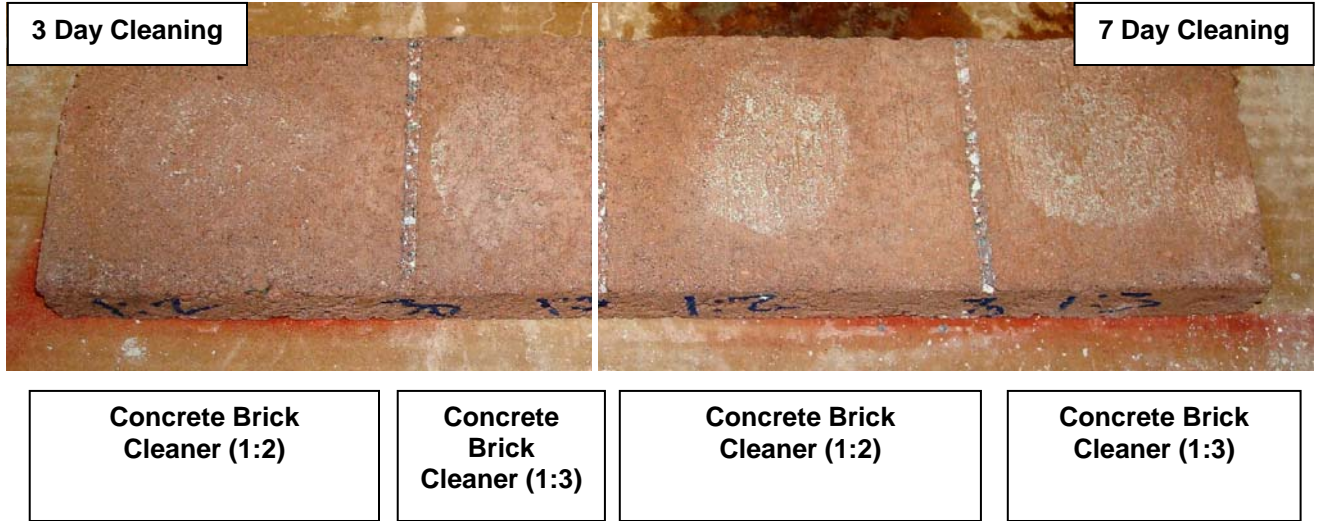
Substrate: Concrete Brick		Pigment Color: "Promenade"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Concrete Brick Cleaner	1:2	4	4
Concrete Brick Cleaner	1:3	4	4
Substrate: Concrete Brick		Pigment Color: "Cedarwood"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Concrete Brick Cleaner	1:2	4	4
Concrete Brick Cleaner	1:3	4	4
Substrate: Concrete Brick		Pigment Color: "Earhtone"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Concrete Brick Cleaner	1:2	4	4
Concrete Brick Cleaner	1:3	4	4
Substrate: Concrete Brick		Pigment Color: "Autumn"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Concrete Brick Cleaner	1:2	4	4
Concrete Brick Cleaner	1:3	4	4
Substrate: Concrete Brick		Pigment Color: "Lawson"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Concrete Brick Cleaner	1:2	4	4
Concrete Brick Cleaner	1:3	4	4
Substrate: Concrete Brick		Pigment Color: "Richfield"	
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal
Concrete Brick Cleaner	1:2	4	4
Concrete Brick Cleaner	1:3	4	4

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

- | | |
|---|--|
| 0 – Worst match to uncleaned surface | 3 – Good match to uncleaned surface |
| 1 – Poor match to uncleaned surface | 4 – Best match to uncleaned surface |
| 2 – Fair match to uncleaned surface | |

Photographs – New Construction Cleaning

“Promenade” Concrete Brick; Type S Mortar, 3 day and 7 day cleaning

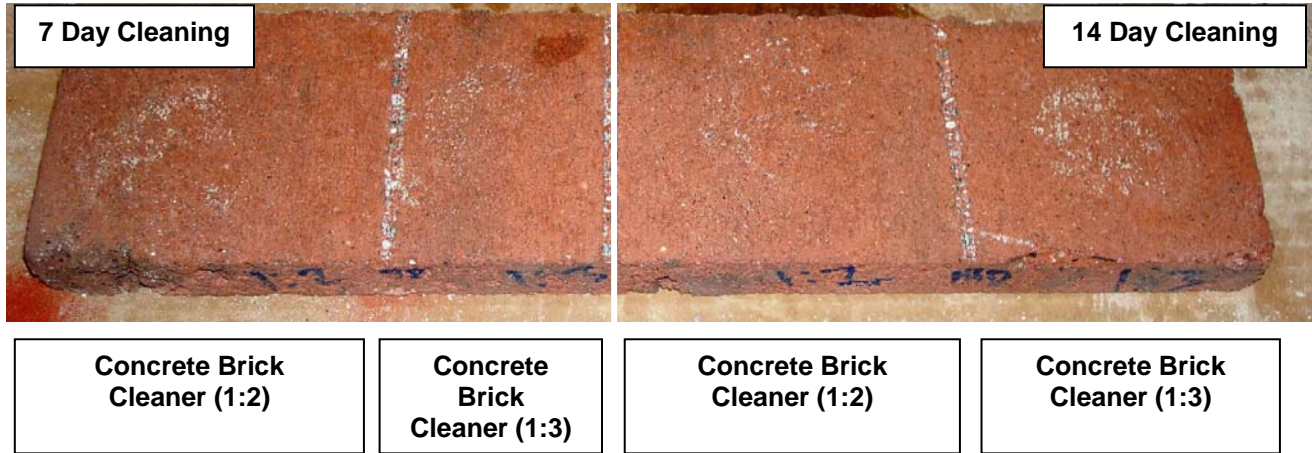


“Promenade” Concrete Brick; Type S Mortar, 14 day cleaning

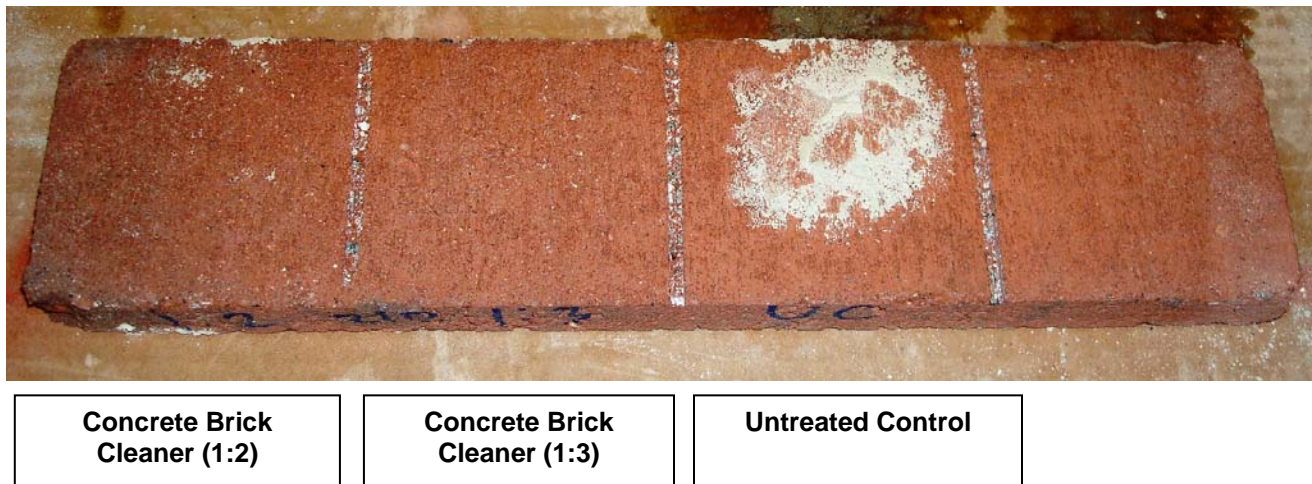


Photographs – New Construction Cleaning

“Promenade” Concrete Brick; Type N Mortar, 7 day and 14 day cleaning



“Promenade” Concrete Brick; Type N Mortar, 21 day cleaning



Photographs – Color Uniformity

“Richfield” Concrete Brick; Color Uniformity



**Concrete Brick
Cleaner (1:2)**

**Concrete Brick
Cleaner (1:3)**

Uncleaned Surface

Conclusions – New Construction Cleaning

Based on the test data, all of the submitted samples were efficiently cleaned with Sure Klean® Concrete Brick Cleaner.

Neither dilution of Sure Klean® Concrete Brick Cleaner appeared to remove any of the pigmented matrix.

Recommendations – New Construction Cleaning

Recommendations for cleaning for each type of concrete brick submitted by Betco/Supreme Block, Manassas VA 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 uncleaned surface of the concrete brick.

Sample	New Construction Cleaning (Type S Mortar, 14 day cleaning) (Type N Mortar, 21 day cleaning)
All Submitted Samples	Sure Klean® Concrete Brick Cleaner (1:2) or Sure Klean® Concrete Brick Cleaner (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® Custom Masonry Sealer – A clear, solvent-based silicone elastomer formulated to weatherproof custom masonry units, cast stone, architectural concrete block, pre-cast concrete, wood and porous masonry. Custom Masonry Sealer penetrates and fills pores to prevent water penetration through exterior walls exposed to normal weathering.

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 samples were scored and allowed to dry for 24 hours prior to treatment. Both of the products were applied by brush in accordance with the current PROSOCO, Inc. Product Data Sheet application instructions. Both treatments were allowed to cure for at least 72 hours 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.

Test Results – Protective Water Repellents**Water Absorption Tube Test: RILEM II.4, 60 mph, 20 Minutes****Results**

“Promenade”	
Untreated Control	<40mph
Sure Klean® Custom Masonry Sealer	60mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60mph
“Earhtone”	
Untreated Control	<40mph
Sure Klean® Custom Masonry Sealer	60mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60mph
“Lawson”	
Untreated Control	50mph
Sure Klean® Custom Masonry Sealer	60mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60mph
“Autumn”	
Untreated Control	50mph
Sure Klean® Custom Masonry Sealer	60mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	55mph
“Cedarwood”	
Untreated Control	50mph
Sure Klean® Custom Masonry Sealer	55mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60mph
“Richfield”	
Untreated Control	55mph
Sure Klean® Custom Masonry Sealer	60mph
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	60mph

Photographs – Protective Water Repellents

“Autumn” Concrete Brick; RILEM II.4, 60 mph, 20 Minutes



**Untreated
Control**

**Sure Klean® Weather
Seal Siloxane WB
Concentrate (1:9)**

**Sure Klean® Custom
Masonry Sealer**

Conclusions – Protective Water Repellents

Based upon laboratory evaluations, each of the products tested provided excellent water repellency to all of the submitted samples. In addition, neither Sure Klean® Custom Masonry Sealer nor Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) appeared to alter the appearance of the samples.

Recommendations – Protective Water Repellents

Recommendations for water repellency for each sample submitted by Betco/Supreme Block, Manassas, VA are provided in the chart below. Recommendations are based on the treatment that proved most effective and can provide water repellency on all types submitted.

Sample	Protective Water Repellents
All Submitted Samples	*Sure Klean® Custom Masonry Sealer OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)

***NOTE:** Sure Klean® Custom Masonry Sealer is manufactured and marketed in compliance with USEPA AIM VOC regulations (40 CFR 59.403). This product may not be suitable for sale in states and districts with more restrictive AIM VOC regulations.

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

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

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

Sections of the concrete brick were treated with Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II in accordance with the current PROSOCO, Inc. Product Data Sheet application instructions and 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.
2. Allow appropriate dwell time:
 - Defacer Eraser® Graffiti Wipe5 minutes
 - Sure Klean® Fast Acting Stripper20 minutes
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

“Promenade” Concrete Brick					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	90%	90%	85%	91%
Graffiti Wipe	75%	75%	75%	85%	78%
Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	90%	95%	95%	95%
Graffiti Wipe	85%	90%	85%	70%	83%
“Earthtone” Concrete Brick					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	75%	75%	75%	81%
Graffiti Wipe	75%	30%	30%	30%	41%
Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	90%	90%	90%	93%
Graffiti Wipe	85%	50%	50%	50%	59%
“Lawson” Concrete Brick					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	90%	90%	80%	90%
Graffiti Wipe	70%	70%	70%	65%	69%
Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	95%	90%	95%	95%
Graffiti Wipe	85%	80%	85%	85%	84%
“Autumn” Concrete Brick					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	50%	50%	45%	60%
Graffiti Wipe	40%	20%	20%	20%	25%
Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	60%	60%	60%	69%
Graffiti Wipe	90%	50%	50%	25%	54%
“Cedarwood” Concrete Brick					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	90%	90%	90%	93%
Graffiti Wipe	50%	75%	75%	95%	74%
Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	75%	90%	90%	90%	86%
“Richfield” Concrete Brick					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	75%	85%	80%	85%
Graffiti Wipe	50%	35%	40%	50%	44%
Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	85%	90%	95%	94%
Graffiti Wipe	95%	65%	75%	80%	79%

Photographs – Graffiti Control

“Autumn” Concrete Brick; Before Graffiti Removal



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

Untreated Control

“Autumn” Concrete Brick; After Graffiti Removal



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

Untreated Control

Key:

- 1: Sure Klean® Fast Acting Stripper
- 2: Defacer Eraser® Graffiti Wipe

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.

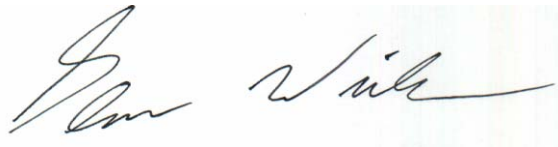
In addition, the treatment did not alter the appearance of the submitted samples.

Recommendations – Graffiti Control

Recommendations for graffiti control treatment for each sample submitted by Betco/Supreme Block, Manassas, VA 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
"Promenade" "Lawson" "Cedarwood"	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	Sure Klean® Fast Acting Stripper or Defacer Eraser® Graffiti Wipe
"Earthtone" "Autumn" "Richfield"	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	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.

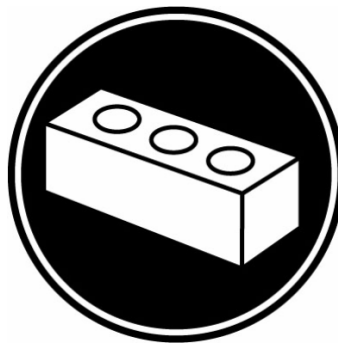


Glenn Winkler
 Project Testing Laboratory Technician



PALLET TAG PROGRAM
Laboratory Report

Betco/Supreme Block
7920 Notes Dr.
Manassas, VA 20109
Concrete Brick



Project No. 0708-17 PTP

Prepared For:
PROSOCO
SINCE 1939

Prepared By:
AMT