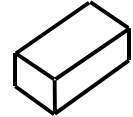




# PALLET TAG PROGRAM LABORATORY REPORT



**TABLE OF CONTENTS**

SAMPLES SUBMITTED ..... 2

PURPOSE OF TEST ..... 3

PRODUCTS EVALUATED..... 4

**SECTION A – NEW CONSTRUCTION CLEANING**

DESCRIPTION OF PRODUCTS EVALUATED..... 5

TEST METHOD ..... 5

TEST RESULTS ..... 6-9

CONCLUSIONS..... 9

RECOMMENDATIONS..... 10

PHOTOGRAPH..... 10

**SECTION B – LIMITING SURFACE ALTERATIONS**

DESCRIPTION OF PRODUCTS EVALUATED..... 12

TEST METHOD ..... 12

TEST RESULTS ..... 13-16

CONCLUSIONS..... 17

RECOMMENDATIONS..... 17

**SECTION C - PROTECTIVE WATER REPELLENTS**

DESCRIPTION OF PRODUCTS EVALUATED..... 18

TEST METHODS ..... 19

TEST RESULTS ..... 20-22

PHOTOGRAPH..... 23

CONCLUSIONS..... 24

RECOMMENDATIONS..... 24

**SECTION D – GRAFFITI CONTROL**

DESCRIPTION OF PRODUCTS EVALUATED..... 25

TEST METHOD ..... 26

TEST RESULTS ..... 27-31

PHOTOGRAPH OF GRAFFITI TESTING ..... 32

RECOMMENDATIONS..... 33

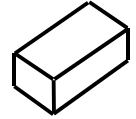
**ATTACHMENTS**

Technical Services TECH Note RILEM Test Method No. II.4

Product Data literature for all products evaluated



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

**Page 2**

**FOR:** Jerry Gunning  
Dean Brown  
**cc:** Paul Tessier  
Steve Dean

**SUBJECT:** Interstate Brick  
West Jordan, UT

**DATE:** January 30, 2004

**PROJECT:** 0312-11 PTP

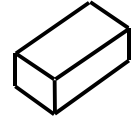
**SAMPLES SUBMITTED: (21) types of clay brick (8 of each)**

Sample	Color/Coating	Size
"Canyonstone"	Dark red	16" x 8" x 3½"
"Smokey Mountain"	Light brown	7¾" x 3½" x 2¼"
"Ironstone"	Dark red/ purple	
"Sunset"	Light orange & red	
"Manhattan"	Dark red	
"Valley Tan"	Light brown & red	
"Park Rose"	Red	
"Tumbleweed"	Light brown	
"Golden Buff"	Orange	
"Baja Brown"	Red	
"Mountain Red"	Dark red	
"Arctic White"	Buff	
"Platinum"	Gray	
"Moroccan Brown"	Dark brown	
"Canyon Rose"	Light red	
"Bronzestone"	Brown/red	
"Desert Sand"	Buff and orange	
"Copperstone"	Brown and orange	
"Mid. Black"	Black	
"Monterey"	Dark red and orange	
"Mission"	Red, lightweight	

Submitted by: Interstate Brick



# PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 3

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## PURPOSE OF TESTING:

Twenty-one different types of clay brick were submitted to PROSOCO, Inc.'s Testing Laboratory with a request to determine if application of the products evaluated will produce any surface alteration during new construction cleaning operations. Additionally, the effectiveness of water repellent treatments and graffiti control products suitable for clay brick masonry will also be evaluated.

**A. New Construction Cleaning** – Sure Klean® Vana Trol® and/or Sure Klean® 600 Detergent were evaluated for removal of laboratory applied mortar.

To simulate new construction soiling, all bricks 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 brick and filled with a wet mixture of Ash Grove® Type N cementitious mortar. The wet mortar-filled cylinder was allowed to remain in contact with the brick for 10 minutes before removal.

Soiled bricks 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 residual Ash Grove® Type N mortar after 7, 14, and 21 days of curing.

**B. Limiting Surface Alterations** – Sure Klean® Vana Trol® and/or Sure Klean® 600 Detergent were tested at various dilutions to determine if a cleaning program implemented to remove excess mortar and related new construction soiling would otherwise alter the appearance of cleaned surfaces. Surface Alteration was evaluated visually based upon perceived discoloration or erosion/etching of the masonry unit.

Surface Finish Removal is the visual examination of the brick comparing the surface finish of the untreated control surface to the surface finish cleaned with selected product(s) at given dilutions.

Substrate Deterioration is the visual examination of the brick comparing the surface of the untreated control to surfaces cleaned with selected product(s) at given dilutions looking for any potential erosion/digestion of the brick.

Color Change is the visual examination comparing the color of the untreated control surface to color of surfaces cleaned with selected products at given dilutions.

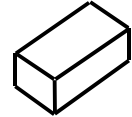
Staining is the visual examination for changes that are the result of a chemical reaction that leaves a staining precipitate.

**C. Water Repellent Evaluation** - Sure Klean® Weather Seal Siloxane PD and Sure Klean® Weather Seal Siloxane WB Concentrate were evaluated on the submitted samples for their ability to provide water repellency.

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



# PALLET TAG PROGRAM LABORATORY REPORT



## PRODUCTS EVALUATED FOR CLEANING AND LIMITING SURFACE ALTERATIONS

SAMPLE	TREATMENT	DILUTION
"Smokey Mountain"	Sure Klean® Vana Trol®	1:6, 1:8
"Manhattan"		
"Valley Tan"		
"Park Rose"		
"Tumbleweed"		
"Golden Buff"		
"Arctic White"		
"Platinum"		
"Moroccan Brown"		
"Canyon Rose"		
"Bronzestone"		
"Desert Sand"		
"Mid. Black"		
"Copperstone"		
"Canyonstone"	Sure Klean® Vana Trol® and Sure Klean® 600 Detergent	1:6, 1:8
"Ironstone"		
"Sunset"		
"Baja Brown"		
"Mountain Red"		
"Monterey"		
"Mission"		

## WATER REPELLENT PRODUCTS EVALUATED

SAMPLE	TREATMENT	DILUTION
All submitted clay brick	Sure Klean® Weather Seal Siloxane PD	Concentrate
	Sure Klean® Weather Seal Siloxane WB Concentrate	1:9, 1:14

## GRAFFITI CONTROL PRODUCTS EVALUATED

SAMPLE	TREATMENT
All submitted clay brick	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control

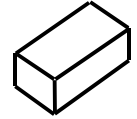
## GRAFFITI REMOVAL PRODUCTS EVALUATED

SAMPLE	TREATMENT
All submitted clay brick	Defacer Eraser® Graffiti Wipe
	Sure Klean® Fast Acting Stripper

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



# PALLET TAG PROGRAM LABORATORY REPORT



## SECTION A – NEW CONSTRUCTION CLEANING

### **DESCRIPTION OF PRODUCTS EVALUATED – New Construction Cleaning**

These cleaning trials were conducted to determine the optimal cleaning/cure time combination to most efficiently remove Ash Grove® Type N mortar from the submitted fired clay bricks.

Ash Grove® Type N cementitious mortar was prepared in compliance with the manufacturers instructions, applied to the brick surface and allowed to cure for 7, 14 and 21 days. Mortar removal was accomplished using chemical assistance and a high-pressure water rinse with pressure rinsing equipment. The removal of Ash Grove® Type N cementitious masonry cement mortar was visually evaluated after 7, 14 and 21 days of curing.

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

**Sure Klean® 600 Detergent** – A general purpose, concentrates acidic cleaner for brick, tile and concrete surfaces. 600 Detergent dissolves mortar smears and construction dirt quickly, leaving the masonry clean and uniform with no acid burning or streaking.

### **TEST METHOD – New Construction Cleaning**

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

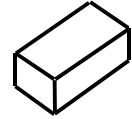
1. Prewet the surface with water.
2. Apply the cleaner.
3. Allow the appropriate dwell time, as specified.
 

Vana Trol® .....	3-5 minutes
600 Detergent .....	3-5 minutes
4. Pressure rinse thoroughly. \*

\*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 6

**Test Results – New Construction Cleaning**

**% Removal**

**“Canyonstone”**

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%
Sure Klean® 600 Detergent	1:6	100%	100%	100%
	1:8	100%	100%	100%

**“Smokey Mountain”**

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

**“Ironstone”**

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%
Sure Klean® 600 Detergent	1:6	100%	100%	100%
	1:8	100%	100%	100%

**“Sunset”**

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%
Sure Klean® 600 Detergent	1:6	100%	100%	100%
	1:8	100%	100%	100%

**“Manhattan”**

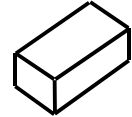
Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

**“Valley Tan”**

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%



# PALLET TAG PROGRAM LABORATORY REPORT



## Test Results – New Construction Cleaning

### % Removal

#### “Park Rose”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Tumbleweed”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Golden Buff”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Baja Brown”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%
Sure Klean® 600 Detergent	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Mountain Red”

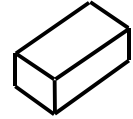
Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%
Sure Klean® 600 Detergent	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Arctic White”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%



# PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 8

## Test Results- New Construction Cleaning

### % Removal

#### “Platinum”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Moroccan Brown”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Canyon Rose”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Bronzestone”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Desert Sand”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

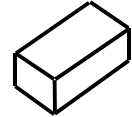
#### “Copperstone”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%
Sure Klean® 600 Detergent	1:6	100%	100%	100%
	1:8	100%	100%	100%





# PALLET TAG PROGRAM LABORATORY REPORT



## Test Results – New Construction Cleaning

### % Removal

#### “Mid. Black”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Monterey”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%
Sure Klean® 600 Detergent	1:6	100%	100%	100%
	1:8	100%	100%	100%

#### “Mission”

Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
	1:8	100%	100%	100%
Sure Klean® 600 Detergent	1:6	100%	100%	100%
	1:8	100%	100%	100%

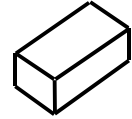
## CONCLUSIONS – New Construction Cleaning

Based on the test results, Sure Klean® Vana Trol® and/or Sure Klean® 600 Detergent performed extremely well in removing excess mortar smears from the submitted clay bricks. Sure Klean® Vana Trol® and/or Sure Klean® 600 Detergent performed well in removing the mortar soils even after allowing the mortar to remain on the surface of the brick for 21 days under ideal curing conditions.

It is recommended that the selected cleaners always be used in the lowest possible concentration. They should be rinsed with the lowest pressure of water as practical, at least 400 psi, to minimize removal of the decorative finish. Excessive pressure and water volume may combine to damage or remove decorative finishes. To facilitate easier removal of excess mortar and construction dirt while minimizing any potential surface alterations to the decorative finish, clean within 7 days of construction.



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

**Page 10**

## RECOMMENDATIONS– New Construction Cleaning

Recommendations for cleaning for each type of clay brick submitted by Interstate Brick, West Jordan, UT, are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar while limiting surface alterations.

Brick Type	New Construction Cleaning (Type N, 21 Days)
"Smokey Mountain" "Manhattan" "Valley Tan" "Park Rose" "Tumbleweed" "Golden Buff" "Arctic White" "Platinum" "Moroccan Brown" "Canyon Rose" "Bronzestone" "Desert Sand" "Mid Black"	Sure Klean® Vana Trol® 1:8
"Copperstone" "Canyonstone" "Ironstone" "Sunset" "Baja Brown" "Mountain Red" "Monterey" "Mission"	Sure Klean® Vana Trol® 1:8 OR Sure Klean® 600 Detergent 1:8

**Note:** Sure Klean® Vana Trol® is recommended for new construction cleaning when colored mortars are used.

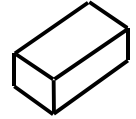
Excessive pressure and water volume may combine to damage or remove decorative finishes. To facilitate easier removal of excess mortar and construction dirt while minimizing any potential surface alterations to the decorative finish, clean within 7 days of construction. Rinsing with high-pressure spray (400-800 psi) is recommended.

Apply all products in accordance with the manufacturer's recommendation provided on container labels and product data sheets. On-site testing should always 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

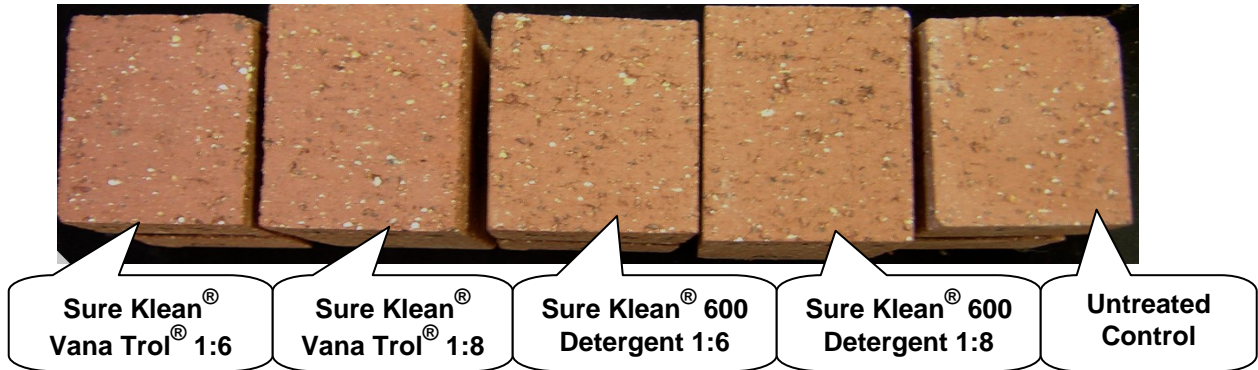


PROSOCO, Inc.

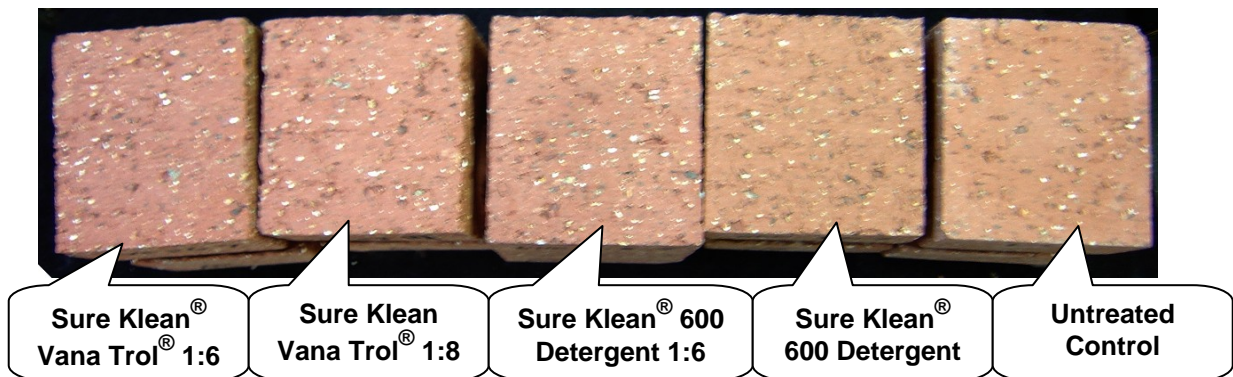
Page 11

## PHOTOGRAPHS - Cleaning

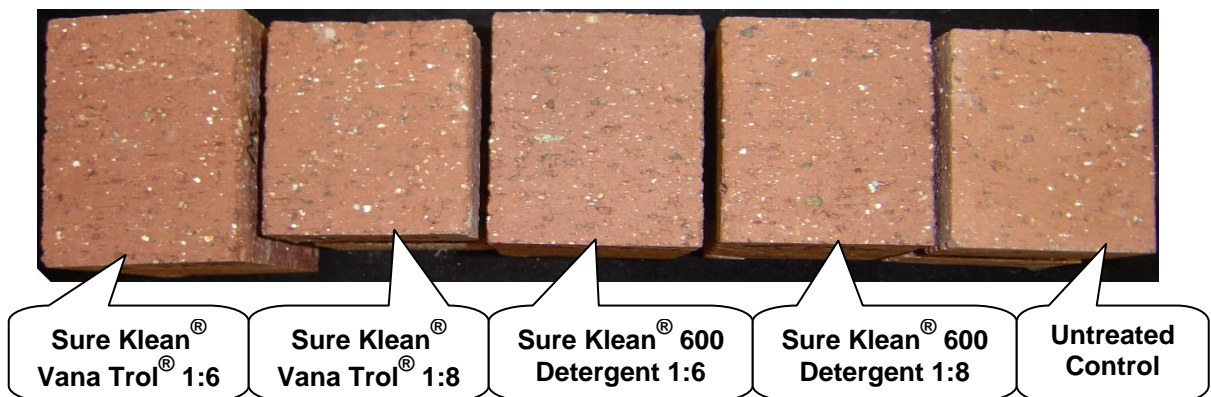
“Mission”- 7 day cleaning



“Mission”- 14 day cleaning

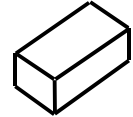


“Mission” – 21 day cleaning





# PALLET TAG PROGRAM LABORATORY REPORT



## SECTION B – LIMITING SURFACE ALTERATIONS

### DESCRIPTION OF PRODUCTS EVALUATED – Limiting Surface Alterations

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

**Sure Klean® 600 Detergent** – A general purpose, concentrates acidic cleaner for brick, tile and concrete surfaces. 600 Detergent dissolves mortar smears and construction dirt quickly, leaving the masonry clean and uniform with no acid burning or streaking.

### TEST METHOD – Limiting Surface Alterations:

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

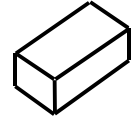
1. Prewet the surface with water.
2. Apply the cleaner.
3. Allow the appropriate dwell time, as specified.
 

Vana Trol® .....	3-5 minutes
600 Detergent .....	3-5 minutes
4. Pressure rinse thoroughly. \*

\* 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 13**

**TEST RESULTS – Limiting Surface Alterations**

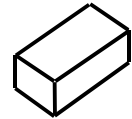
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Canyonstone"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
Sure Klean® 600 Detergent	1:6	0	0	0	0
Sure Klean® 600 Detergent	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Smokey Mountain"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Ironstone"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
Sure Klean® 600 Detergent	1:6	0	0	0	0
Sure Klean® 600 Detergent	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Sunset"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
Sure Klean® 600 Detergent	1:6	0	0	0	0
Sure Klean® 600 Detergent	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Manhattan"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0

0 – No change  
 1 – change – slight  
 2 – change – moderate

3 – change – heavy  
 4 – change - excessive



# PALLET TAG PROGRAM LABORATORY REPORT



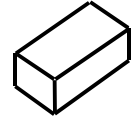
**TEST RESULTS – Limiting Surface Alterations**

<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Valley Tan"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Park Rose"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Tumbleweed"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Golden Buff"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Baja Brown"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
Sure Klean® 600 Detergent	1:6	0	0	0	0
Sure Klean® 600 Detergent	1:8	0	0	0	0

0 – No change	3 – change – heavy
1 – change – slight	4 – change - excessive
2 – change – moderate	



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

**Page 15**

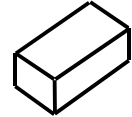
**TEST RESULTS – Limiting Surface Alterations**

<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Mountain Red"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
Sure Klean® 600 Detergent	1:6	0	0	0	0
Sure Klean® 600 Detergent	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Arctic White"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Platinum"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Moroccan Brown"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Canyon Rose"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> "Bronzestone"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0

0 – No change	3 – change – heavy
1 – change – slight	4 – change - excessive
2 – change – moderate	



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

Page 16

**TEST RESULTS – Limiting Surface Alterations**

<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> “Desert Sand”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> “Copperstone”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
Sure Klean® 600 Detergent	1:6	0	0	0	0
Sure Klean® 600 Detergent	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> “Mid. Black”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> “Monterey”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
Sure Klean® 600 Detergent	1:6	0	0	0	0
Sure Klean® 600 Detergent	1:8	0	0	0	0
<b>Substrate:</b> Clay brick		<b>Pigment Color:</b> “Mission”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	0	0	0	0
Sure Klean® Vana Trol®	1:8	0	0	0	0
Sure Klean® 600 Detergent	1:6	0	0	0	0
Sure Klean® 600 Detergent	1:8	0	0	0	0

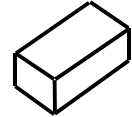
0 – No change  
 1 – change – slight  
 2 – change – moderate

3 – change – heavy  
 4 – change - excessive





# PALLET TAG PROGRAM LABORATORY REPORT



## CONCLUSIONS – Limiting Surface Alterations

Test results indicate that none of the products tested caused any surface alterations on any of the submitted clay bricks. It is recommended that the selected cleaners always be used in the lowest possible concentration. They should be rinsed with the lowest pressure of water as practical to minimize removal of the decorative finish. Excessive pressure and water volume may combine to damage or remove decorative finishes. To facilitate easier removal of excess mortar and construction dirt while minimizing any potential surface alterations to the decorative finish, clean within 7 days of construction.

## RECOMMENDED PRODUCTS AND DILUTIONS – Limiting Surface Alterations

Product recommendations for limiting surface alterations for each type of clay brick submitted by Interstate Brick, West Jordan, UT, are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar while limiting surface alterations.

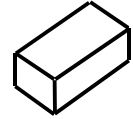
Brick Type	New Construction Cleaning (Type N, 21 Days)
“Smokey Mountain” “Manhattan” “Valley Tan” “Park Rose” “Tumbleweed” “Golden Buff” “Arctic White” “Platinum” “Moroccan Brown” “Canyon Rose” “Bronzestone” “Desert Sand” “Mid Black”	Sure Klean® Vana Trol® 1:8
“Copperstone” “Canyonstone” “Ironstone” “Sunset” “Baja Brown” “Mountain Red” “Monterey” “Mission”	Sure Klean® Vana Trol® 1:8 OR Sure Klean® 600 Detergent 1:8

Excessive pressure and water volume may combine to damage or remove decorative finishes. To facilitate easier removal of excess mortar and construction dirt while minimizing any potential surface alterations to the decorative finish, clean within 7 days of construction. Rinsing with high-pressure spray (400-800 psi) is recommended.

Apply all products in accordance with the manufacturer’s recommendation provided on container labels and product data sheets. On-site testing should always 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 18**

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## **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

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## **DESCRIPTIONS OF PRODUCTS EVALUATED - Protective Water Repellents:**

**Sure Klean® Weather Seal Siloxane PD** – A ready-to-use, water-based silane/siloxane water repellent for concrete, GFRC, and most masonry and stucco surfaces. Siloxane PD penetrates more deeply than conventional water repellents. It helps masonry resist cracking, spalling, staining, and other damage related to water intrusion. Low odor and alkaline stable, Siloxane PD is ideal for field and in-plant application.

**Sure Klean® Weather Seal Siloxane WB Concentrate** – A concentrated water repellent designed for dilution with fresh water at the jobsite. A solvent-free blend of silanes and oligomeric alkoxy siloxanes, it mixes easily with water to produce a penetrating water repellent ideal for application to dense or porous masonry surfaces.

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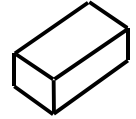
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## **SAMPLE PREPARATION - Protective Water Repellents:**

The submitted brick were cut, oven dried and allowed to reabsorb atmospheric humidity for at least 24 hours prior to treatment. The treatment method adhered to the 2003 PROSOCO, Inc. Product Guide. All treatments were allowed to cure for at least 3 days prior to testing.



# PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 19

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## TEST METHODS - Protective Water Repellents:

### Water Absorption Tube Test: RILEM II.4, 5.0 milliliters, 20 minutes

The water absorption tube test simulating wind driven and wind blown rain conditions was also performed. Tests were run with 5.0-milliliter head pressures. Filled to 5 milliliters, a water absorption tube produces a 98 mph dynamic wind pressure. See RILEM II.4 Tech Note for additional information.

The ranking system used to evaluate the effectiveness of the products applied to each submitted sample is as follows:

**AA** = "Above Average" correlates to less than or equal to 20% of the maximum untreated absorption.

**A** = "Average" correlates to less than or equal to 50% of the maximum untreated absorption.

**BA** = "Below Average" correlates to greater than 50% of the maximum untreated absorption.

EXAMPLE: If RILEM tubes applied to an untreated sample result in loss of 5 ml of water or more, then:

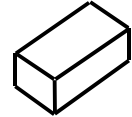
A rating of **AA** *Above Average* water repellent performance would require loss of no more than 5 ml X 20% = 1 ml.

A rating of **A** *Average* water repellent performance would require loss of no more than 5 ml X 50% = 2.5ml.

A rating of **BA** *Below Average* water repellent performance would be reported for treatments which result in a loss of more than 50% X 5ml = 2.5ml+.



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

Page 20

**Water Absorption Tube Test: RILEM II.4, 5.0 milliliters, 20 minutes**

**AA = Above Average**

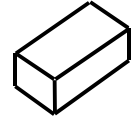
**A = Average**

**BA = Below Average**

<b>"Canyonstone"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	0.2	--
Weather Seal Siloxane PD	0.1	<u>A</u>
Weather Seal Siloxane WB (1:9)	0.1	<u>A</u>
Weather Seal Siloxane WB (1:14)	0.1	<u>A</u>
<b>"Smokey Mountain"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	2.0	--
Weather Seal Siloxane PD	0.5	<u>A</u>
Weather Seal Siloxane WB (1:9)	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.1	<u>AA</u>
<b>"Ironstone"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	0.2	--
Weather Seal Siloxane PD	0.1	<u>A</u>
Weather Seal Siloxane WB (1:9)	0.0	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.3	<u>BA</u>
<b>"Sunset"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	2.1	--
Weather Seal Siloxane PD	0.3	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.0	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.1	<u>AA</u>
<b>"Manhattan"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	2.6	--
Weather Seal Siloxane PD	0.5	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.0	<u>AA</u>
<b>"Valley Tan"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	2.1	--
Weather Seal Siloxane PD	0.3	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.3	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.1	<u>AA</u>
<b>"Park Rose"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	1.2	--
Weather Seal Siloxane PD	0.4	<u>A</u>
Weather Seal Siloxane WB (1:9)	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.1	<u>AA</u>



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

Page 21

**Water Absorption Tube Test: RILEM II.4, 5.0 milliliters, 20 minutes**

**AA = Above Average**

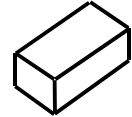
**A = Average**

**BA = Below Average**

<b>"Tumbleweed"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	3.3	--
Weather Seal Siloxane PD	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.0	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.0	<u>AA</u>
<b>"Golden Buff"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	0.6	--
Weather Seal Siloxane PD	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.0	<u>AA</u>
<b>"Baja Brown"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	0.8	--
Weather Seal Siloxane PD	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.4	<u>A</u>
Weather Seal Siloxane WB (1:14)	0.2	<u>A</u>
<b>"Mountain Red"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	0.7	--
Weather Seal Siloxane PD	0.3	<u>A</u>
Weather Seal Siloxane WB (1:9)	0.0	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.0	<u>AA</u>
<b>"Arctic White"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	5.0	--
Weather Seal Siloxane PD	0.8	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.1	<u>AA</u>
<b>"Platinum"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	0.5	--
Weather Seal Siloxane PD	0.25	<u>A</u>
Weather Seal Siloxane WB (1:9)	0.0	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.0	<u>AA</u>
<b>"Moroccan Brown"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	1.4	--
Weather Seal Siloxane PD	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.1	<u>AA</u>



# PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 22

Water Absorption Tube Test: RILEM II.4, 5.0 milliliters, 20 minutes

AA = Above Average

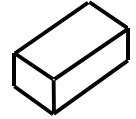
A = Average

BA = Below Average

<b>"Canyon Rose"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	1.3	--
Weather Seal Siloxane PD	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.0	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.0	<u>AA</u>
<b>"Bronzestone"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	0.8	--
Weather Seal Siloxane PD	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.0	<u>AA</u>
<b>"Desert Sand"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	4.0	--
Weather Seal Siloxane PD	0.4	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.5	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.5	<u>AA</u>
<b>"Copperstone"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	1.2	--
Weather Seal Siloxane PD	0.1	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.2	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.2	<u>AA</u>
<b>"Mid. Black"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	0.6	--
Weather Seal Siloxane PD	0.2	<u>A</u>
Weather Seal Siloxane WB (1:9)	0.0	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.3	<u>A</u>
<b>"Monterey"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	0.6	--
Weather Seal Siloxane PD	0.3	<u>A</u>
Weather Seal Siloxane WB (1:9)	0.0	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.1	<u>AA</u>
<b>"Mission"</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	5.0	--
Weather Seal Siloxane PD	0.6	<u>AA</u>
Weather Seal Siloxane WB (1:9)	0.5	<u>AA</u>
Weather Seal Siloxane WB (1:14)	0.5	<u>AA</u>



# PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

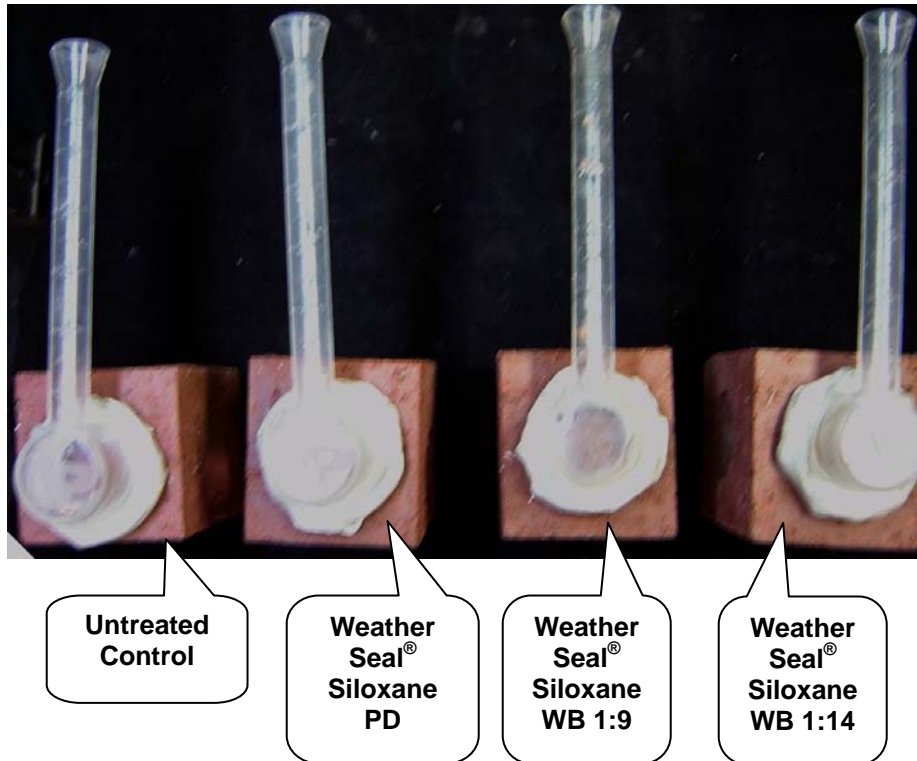
Page 23

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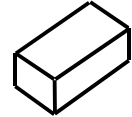
## PHOTOGRAPH – Water Repellents

### “Monterey”- RILEM Testing





# PALLET TAG PROGRAM LABORATORY REPORT



### CONCLUSIONS - Protective Water Repellents:

RILEM test results indicate that Sure Klean® Weather Seal Siloxane WB Concentrate diluted (1:9) and (1:14) and Sure Klean® Siloxane PD exhibited above average or average water repellency on all submitted clay bricks, with the exception of "Mission", which was too porous for any water repellent to be effective.

### RECOMMENDATIONS - Protective Water Repellents:

Recommendations for water repellent treatments for each type of clay brick submitted by Interstate Brick, West Jordan, UT, are provided in the chart below. Recommendations are based on the treatments that proved most effective by RILEM results and can provide water repellency on all types indicated.

Brick Type	Water Repellent
"Canyonstone" "Smokey Mountain" "Sunset" "Manhattan" "Valley Tan" "Park Rose" "Tumbleweed" "Golden Buff" "Baja Brown" "Mountain Red" "Arctic White" "Platinum" "Moroccan Brown" "Canyon Rose" "Bronzestone" "Desert Sand" "Copperstone" "Mid. Black" "Monterey" "Mission"	Sure Klean® Weather Seal Siloxane PD OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:14)
"Ironstone"	Sure Klean® Weather Seal Siloxane PD OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)

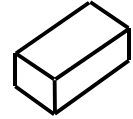
It must be pointed out that in any installation; the brick are a single component of the masonry facade. The ability of a water repellent treatment to prevent the ingress of water is affected by a variety of other factors. Therefore, on-site testing should be carried out for all installations with the recommended systems to ensure job site workmanship yields equivalent results.

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 25

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## SECTION D – GRAFFITI CONTROL

### **DESCRIPTION OF PRODUCTS EVALUATED**

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

#### **Graffiti Control Treatments**

**Sure Klean® Weather Seal Blok-Guard® & Graffiti Control** – A clear, solvent-based silicone elastomer formulated to weatherproof custom masonry units, cast stone, and concrete block without altering the natural appearance. Blok-Guard® & Graffiti Control penetrates and fills pores to prevent water penetration through exterior walls exposed to normal weathering as well as long-lasting protection against many types of graffiti.

#### **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 removed 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. Also removes oil, grease, and waxes from concrete decks, tile and terrazzo floors.

#### **Graffiti Agents**

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

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## **SAMPLE PREPARATION – Graffiti Control**

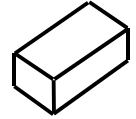
This evaluation compares the effectiveness in preventing staining of enamel spray paint and permanent markers.

Sections of the brick samples were treated with Sure Klean® Weather Seal Blok-Guard® & Graffiti Control in accordance with PROSOCO, Inc.’s Product Guide application recommendations and then allowed to cure for at least 24 hours. 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 at least 24 hours following application of Sure Klean® Weather Seal Blok-Guard® & Graffiti Control. 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.



# PALLET TAG PROGRAM LABORATORY REPORT



## TEST METHOD – Graffiti Control

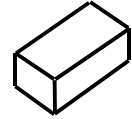
Chemical cleaners were evaluated using the following procedure:

1. Apply the product to a dry surface, soiled with graffiti.
2. Allow appropriate dwell time:
  - Graffiti Wipe ..... 5 minutes
  - Fast Acting Stripper..... 20 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.



# PALLET TAG PROGRAM LABORATORY REPORT

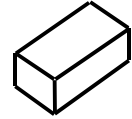


**TEST RESULTS – Graffiti Control**

<b>“Smokey Mountain”</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	90%	90%	90%	<b>92%</b>
Fast Acting Stripper	98%	95%	95%	95%	<b>96%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	95%	95%	95%	<b>96%</b>
Fast Acting Stripper	98%	98%	98%	98%	<b>98%</b>
<b>“Ironstone”</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	100%	100%	100%	100%	<b>100%</b>
Fast Acting Stripper	100%	100%	100%	100%	<b>100%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	100%	100%	100%	100%	<b>100%</b>
Fast Acting Stripper	100%	100%	100%	100%	<b>100%</b>
<b>“Sunset”</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	95%	70%	70%	70%	<b>76%</b>
Fast Acting Stripper	95%	90%	85%	90%	<b>90%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	85%	95%	95%	<b>93%</b>
Fast Acting Stripper	85%	90%	95%	95%	<b>91%</b>
<b>“Manhattan”</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	90%	90%	98%	<b>94%</b>
Fast Acting Stripper	98%	95%	95%	98%	<b>97%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	95%	95%	98%	<b>97%</b>
Fast Acting Stripper	98%	98%	98%	98%	<b>98%</b>
<b>“Valley Tan”</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	90%	90%	90%	<b>92%</b>
Fast Acting Stripper	98%	95%	95%	95%	<b>96%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	95%	95%	98%	<b>97%</b>
Fast Acting Stripper	95%	95%	95%	98%	<b>96%</b>



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

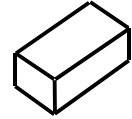
Page 28

**TEST RESULTS- Graffiti Control**

"Park Rose"					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	95%	95%	95%	96%
Fast Acting Stripper	98%	98%	98%	98%	98%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	98%	98%	98%	98%
Fast Acting Stripper	98%	98%	98%	98%	98%
"Tumbleweed"					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	95%	75%	75%	75%	80%
Fast Acting Stripper	95%	80%	80%	80%	84%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	95%	95%	95%	96%
Fast Acting Stripper	98%	95%	95%	95%	96%
"Golden Buff"					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	85%	85%	95%	91%
Fast Acting Stripper	95%	85%	85%	85%	88%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	95%	95%	95%	96%
Fast Acting Stripper	95%	95%	95%	95%	95%
"Baja Brown"					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	100%	100%	100%	100%
Fast Acting Stripper	98%	100%	100%	100%	100%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	100%	100%	100%	100%
Fast Acting Stripper	98%	100%	100%	100%	100%
"Mountain Red"					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	95%	98%	100%	98%
Fast Acting Stripper	98%	98%	98%	100%	99%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	98%	98%	100%	99%
Fast Acting Stripper	98%	98%	98%	100%	99%



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

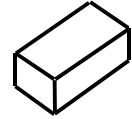
Page 29

**TEST RESULTS- Graffiti Control**

"Arctic White"					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	50%	40%	40%	40%	48%
Fast Acting Stripper	50%	70%	70%	70%	65%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	80%	60%	60%	60%	65%
Fast Acting Stripper	70%	70%	70%	70%	70%
"Platinum"					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	90%	70%	70%	70%	75%
Fast Acting Stripper	90%	90%	90%	90%	90%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	90%	85%	90%	90%	89%
Fast Acting Stripper	90%	95%	95%	95%	91%
"Moroccan Brown"					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	95%	95%	95%	96%
Fast Acting Stripper	98%	98%	98%	98%	98%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	98%	98%	100%	99%
Fast Acting Stripper	95%	98%	100%	100%	98%
"Canyon Rose"					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	95%	95%	95%	96%
Fast Acting Stripper	98%	98%	98%	98%	98%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	98%	97%	97%	98%	98%
Fast Acting Stripper	98%	97%	97%	98%	98%
"Bronzestone"					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	100%	100%	100%	100%	100%
Fast Acting Stripper	100%	100%	100%	100%	100%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Graffiti Wipe	100%	100%	100%	100%	100%
Fast Acting Stripper	100%	100%	100%	100%	100%



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

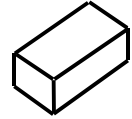
Page 30

**TEST RESULTS – Graffiti Control**

<b>“Desert Sand”</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	95%	40%	40%	40%	<b>54%</b>
Fast Acting Stripper	95%	85%	85%	85%	<b>88%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	95%	90%	90%	90%	<b>91%</b>
Fast Acting Stripper	95%	95%	95%	95%	<b>95%</b>
<b>“Copperstone”</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	95%	95%	95%	<b>96%</b>
Fast Acting Stripper	98%	98%	98%	98%	<b>98%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	98%	100%	100%	<b>99%</b>
Fast Acting Stripper	98%	98%	100%	100%	<b>99%</b>
<b>“Mid Black”</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	95%	95%	95%	95%	<b>95%</b>
Fast Acting Stripper	95%	95%	95%	95%	<b>95%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	98%	98%	98%	<b>98%</b>
Fast Acting Stripper	98%	98%	98%	98%	<b>98%</b>
<b>“Monterey”</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	95%	98%	100%	<b>98%</b>
Fast Acting Stripper	98%	98%	98%	100%	<b>99%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	100%	98%	100%	100%	<b>100%</b>
Fast Acting Stripper	98%	100%	100%	100%	<b>100%</b>
<b>“Mission”</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	100%	85%	85%	90%	<b>90%</b>
Fast Acting Stripper	100%	98%	98%	100%	<b>99%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	100%	95%	98%	100%	<b>98%</b>
Fast Acting Stripper	98%	95%	98%	100%	<b>98%</b>



# PALLET TAG PROGRAM LABORATORY REPORT



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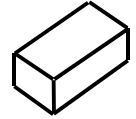
Page 31

## TEST RESULTS- Graffiti Control

<b>"Canyonstone"</b>					
<b>Untreated Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	98%	95%	98%	<b>97%</b>
Fast Acting Stripper	98%	98%	95%	98%	<b>97%</b>
<b>Blok-Guard® &amp; Graffiti Control</b>	<b>Red Paint</b>	<b>Black Marker</b>	<b>Green Marker</b>	<b>Red Marker</b>	<b>% Avg. Removal</b>
Graffiti Wipe	98%	98%	98%	98%	<b>98%</b>
Fast Acting Stripper	98%	98%	98%	98%	<b>98%</b>



# PALLET TAG PROGRAM LABORATORY REPORT



## PHOTOGRAPHS – Graffiti Control

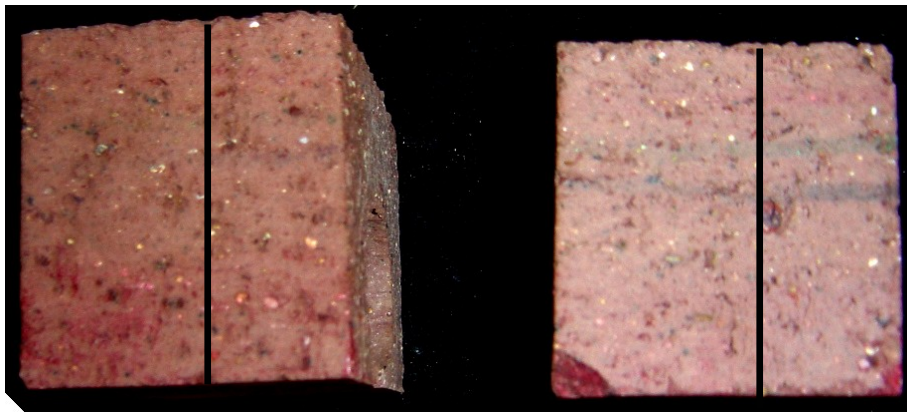
“Park Rose” Before Graffiti Removal



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

Untreated Control

“Park Rose” After Graffiti Removal



1. 2.

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

1. 2.

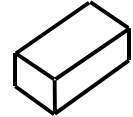
Untreated Control

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





# PALLET TAG PROGRAM LABORATORY REPORT



## RECOMMENDATIONS – GRAFFITI CONTROL

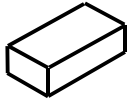
Recommendations for graffiti control treatment for each type of clay brick submitted by Interstate Brick, West Jordan, UT, are provided in the chart below. Recommendations are based on the treatment that proved most effective for providing graffiti repellency and the product that was most effective at removing the graffiti on all types submitted.

Brick Type	Graffiti Repellents	Graffiti Removers
"Canyonstone" "Smokey Mountain" "Ironstone" "Sunset" "Manhattan" "Valley Tan" "Park Rose" "Tumbleweed" "Golden Buff" "Baja Brown" "Mountain Red" "Arctic White" "Platinum" "Moroccan Brown" "Canyon Rose" "Bronzestone" "Desert Sand" "Copperstone" "Mid. Black" "Monterey"	Sure Klean® Weather Seal Blok-Guard & Graffiti Control	Defacer Eraser® Graffiti Wipe OR Sure Klean® Fast Acting Stripper
"Mission"	Sure Klean® Weather Seal Blok-Guard & Graffiti Control	Defacer Eraser® Graffiti Wipe

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 application and product information.

Nathan R. Colaner  
Technical Analyst

NRC/



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## ***Laboratory Report***

### **Pallet Tag Program Evaluation**

**Interstate Brick  
West Jordan, UT**

***Project No. 0312-11 PTP***

***Prepared For:***

**Jerry Gunning  
Dean Brown**

**Interstate Brick  
9780 South 5200 West  
West Jordan, UT**

***Prepared By:***



***PROSOCO, Inc.  
January 2004***