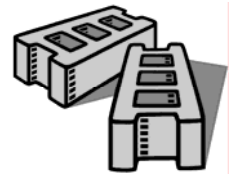




# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

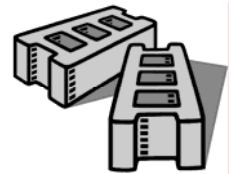
---

## **Table of Contents**

<b>Submitted Information.....</b>	<b>1</b>
<b>Purpose of Testing.....</b>	<b>2</b>
<b>Products Evaluated.....</b>	<b>3</b>
<b>New Construction Cleaning.....</b>	<b>4</b>
Description of Products Evaluated – New Construction Cleaning.....	4
Test Method – New Construction Cleaning.....	4
Test Results – New Construction Cleaning; Type S Mortar.....	5
Test Results – New Construction Cleaning; Type N Mortar.....	7
Test Results – Limiting Surface Alterations.....	9
Photographs – New Construction Cleaning; Type S Mortar.....	11
Photographs – New Construction Cleaning; Type N Mortar.....	12
Photographs – Limiting Surface Alterations.....	13
Conclusions – New Construction Cleaning.....	14
Recommendations – New Construction Cleaning.....	14
<b>Protective Water Repellents.....</b>	<b>15</b>
Description of Products Evaluated – Protective Water Repellents.....	15
Sample Preparation – Protective Water Repellents.....	15
Test Methods – Protective Water Repellents.....	16
Test Results – Protective Water Repellents.....	17
Photographs – Protective Water Repellents.....	19
Conclusions – Protective Water Repellents.....	20
Recommendations – Protective Water Repellents.....	20
<b>Graffiti Control.....</b>	<b>21</b>
Description of Products Evaluated – Graffiti Control.....	21
Sample Preparation – Graffiti Control.....	22
Test Method – Graffiti Control.....	22
Test Results – Graffiti Control.....	23
Photographs – Graffiti Control.....	25
Conclusions – Graffiti Control.....	26
Recommendations – Graffiti Control.....	26
<b>Attachments</b>	
Technical Services TECH Note RILEM Tube Test Procedures	
Product Data literature for all products evaluated	



# PALLET TAG PROGRAM LABORATORY REPORT



Page 1

**PROSOCO, Inc.**

## Submitted Information

**For:** Mike Burdette  
**cc:** Paul Tessier

**Subject:** Boral Bricks, Inc.  
Alpharetta, GA

**Date:** January 17, 2006

**Project:** 0510-06 PTP

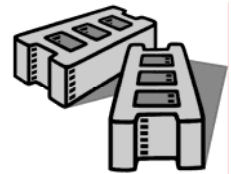
**Samples Submitted:** 12 types of clay brick

Name	Finish	Color/Coating	Plant	Size
"Annapolis"	Sand, Slurry	Red	Bessemer Plant 6	7½" x 2¼" x 3¼"
"Antique Rose"	Sand, Slurry	Pink/Gray	Bessemer Plant 6	7½" x 2½" x 2¾"
"Ashbury"	Sand, Slurry	Red	Phenix City Plant	7½" x 2¼" x 3¼"
"Bandera Blend"	Slurry	Red	Marshall, TX	9½" x 2½" x 2½"
"Bastille"	Sand, Slurry	Gray	Smyrna, GA Plant	7½" x 2¼" x 3¼"
"Bayou"	Sand, Slurry	Burgundy	Augusta, GA Plant 6	7½" x 2¼" x 3¼"
"Brentwood"	Sand, Slurry	Red Range	Phenix City Plant	7½" x 2½" x 2¾"
"Fredericksburg"	Slurry	Buff	Marshall, TX	9½" x 2½" x 2½"
"Shadowstone"	Sand, Slurry	Gray/Brown	Bessemer Plant 6	7½" x 2¼" x 3¼"
"Silverstone"	Sand, Slurry	Gray/Brown	Phenix City Plant	7½" x 2¼" x 3¼"
"Virginian"	Sand, Slurry	Red/Orange	Phenix City Plant	7½" x 2¼" x 3¼"
"Wire-cut Medium Brown"	Wire-cut	Brown	Augusta, GA Plant 3	7½" x 2¼" x 3¼"

Submitted by: Mike Burdette



# PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 2

## Purpose of Testing

Twelve 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 repellents and graffiti control products suitable for clay brick were evaluated.

**New Construction Cleaning** – Enviro Klean® Safety Klean and Sure Klean® Vana Trol® were tested at various dilutions to determine the optimal cleaning/cure time combination to most efficiently remove Type S and Type N mortar from the submitted clay brick while limiting surface alterations to the decorative finish. The surface alteration evaluation was visually determined based upon perceived discoloration or erosion/etching of the clay 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 brick and filled with a wet mixture of either Type S or Type N cementitious mortar. The wet mortar-filled cylinder was allowed to remain in contact with the brick for 10 minutes before removal. Soiled brick 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. A visual examination was also made to determine if the tested cleaners caused any surface alterations to the submitted clay brick based on the following:

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.

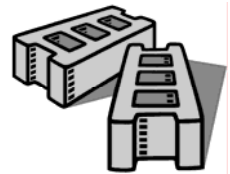
Staining is the visual examination for changes that are the result of a chemical reaction that leaves a staining precipitate.

**Water Repellent Evaluation** – Sure Klean® Weather Seal Blok-Guard® & Graffiti Control, Sure Klean® Weather Seal Siloxane WB Concentrate, and Sure Klean® Weather Seal Siloxane PD were evaluated on the submitted samples for their ability to provide water repellency.

**Graffiti Repellency Evaluation** – Sure Klean® Weather Seal Blok-Guard® & Graffiti Control was evaluated for its ability to provide graffiti control. Sure Klean® Fast Acting Stripper and Defacer Eraser® Graffiti Wipe were evaluated for their ability to remove graffiti.



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

**Page 3**

## Products Evaluated

### New Construction Cleaning Products Evaluated

Sample	Treatment	Dilution
All Submitted Clay Brick	Sure Klean® Vana Trol®	1:6, 1:8
	Enviro Klean® Safety Klean	1:2, 1:3

### Protective Water Repellent Products Evaluated

Sample	Treatment	Dilution
All Submitted Clay Brick	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	Concentrate
	Sure Klean® Weather Seal Siloxane WB Concentrate	1:9
	Sure Klean® Weather Seal Siloxane PD	Concentrate

### Graffiti Repellents Evaluated

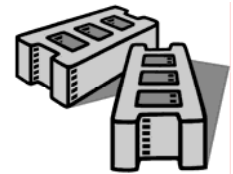
Sample	Treatment	Dilution
All Submitted Clay Brick	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	Concentrate

### Graffiti Repellents Evaluated

Sample	Treatment	Dilution
All Submitted Clay Brick	Sure Klean® Fast Acting Stripper	Concentrate
	Defacer Eraser® Graffiti Wipe	Concentrate



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

---

## New Construction Cleaning

These cleaning trials were conducted to determine the optimal cleaning/cure time combination to most efficiently remove Type S or Type N mortar from the submitted fired clay brick while limiting surface alterations to the decorative finish.

Type S mortar and Type N mortar were prepared in compliance with the manufacturer’s instructions, applied to the brick surface and allowed to cure for 3, 7 and 14 days for Type S mortar 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 was visually evaluated after 3, 7 and 14 days of curing and Type N masonry mortar was visually evaluated after 7, 14 and 21 days of curing. A visual examination was also made to determine if the tested cleaners caused any surface alterations to the submitted clay brick.

---

## Description of Products Evaluated – New Construction Cleaning

**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.

**Enviro Klean® Safety Klean** – An effective, safe, alternative to acidic compounds for cleaning brick, tile, and concrete surfaces. Safety Klean rids new masonry construction of excess mortar, dirt and other common job site soiling. It’s ideal for projects where traditional acidic cleaners are not allowed. Non-fuming Safety Klean contains no hydrochloric or other traditional inorganic acids and is safe for use on and around most metal surfaces. Always test. Additionally, it is up to 70 percent more effective than citric and glycolic acids, and 50 percent more effective than phosphoric acid.

---

## Test Method – New Construction Cleaning

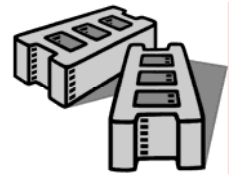
Dilution ratios refer to mixtures of concentrated cleaner : fresh water. Chemical cleaners were evaluated using the following procedure:

1. Pre-wet the surface with water.
2. Apply the cleaner.
3. Allow the appropriate dwell time, as specified.
  - Sure Klean® Vana Trol® ..... 3-5 minutes
  - Enviro Klean® Safety Klean ..... 3-5 minutes
4. Pressure rinse thoroughly.\*

**\*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.



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

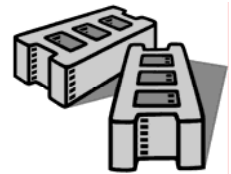
**Test Results – New Construction Cleaning; Type S Mortar**

% removal

<b>“Annapolis”</b>				
Product	Dilution	3 day	7 day	14 day
Sure Klean® Vana Trol®	1:6	99%	99%	95%
Sure Klean® Vana Trol®	1:8	98%	98%	90%
Enviro Klean® Safety Klean	1:2	99%	98%	95%
Enviro Klean® Safety Klean	1:3	95%	95%	90%
<b>“Antique Rose”</b>				
Product	Dilution	3 day	7 day	14 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
<b>“Ashbury”</b>				
Product	Dilution	3 day	7 day	14 day
Sure Klean® Vana Trol®	1:6	100%	99%	99%
Sure Klean® Vana Trol®	1:8	95%	95%	95%
Enviro Klean® Safety Klean	1:2	98%	98%	95%
Enviro Klean® Safety Klean	1:3	95%	95%	90%
<b>“Bandera Blend”</b>				
Product	Dilution	3 day	7 day	14 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
<b>“Bastille”</b>				
Product	Dilution	3 day	7 day	14 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	98%	98%
Enviro Klean® Safety Klean	1:2	100%	100%	98%
Enviro Klean® Safety Klean	1:3	100%	98%	95%
<b>“Bayou”</b>				
Product	Dilution	3 day	7 day	14 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	98%	98%
Enviro Klean® Safety Klean	1:3	100%	95%	95%
<b>“Brentwood”</b>				
Product	Dilution	3 day	7 day	14 day
Sure Klean® Vana Trol®	1:6	100%	98%	98%
Sure Klean® Vana Trol®	1:8	100%	98%	95%
Enviro Klean® Safety Klean	1:2	100%	98%	90%
Enviro Klean® Safety Klean	1:3	95%	95%	90%



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

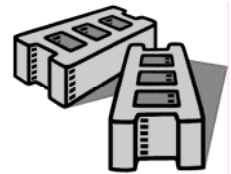
**Test Results – New Construction Cleaning; Type S Mortar**

% removal

<b>“Fredericksburg”</b>				
<b>Product</b>	<b>Dilution</b>	<b>3 day</b>	<b>7 day</b>	<b>14 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
<b>“Shadowstone”</b>				
<b>Product</b>	<b>Dilution</b>	<b>3 day</b>	<b>7 day</b>	<b>14 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
<b>“Silverstone”</b>				
<b>Product</b>	<b>Dilution</b>	<b>3 day</b>	<b>7 day</b>	<b>14 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
<b>“Virginian”</b>				
<b>Product</b>	<b>Dilution</b>	<b>3 day</b>	<b>7 day</b>	<b>14 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	98%
Sure Klean® Vana Trol®	1:8	100%	98%	98%
Enviro Klean® Safety Klean	1:2	98%	98%	95%
Enviro Klean® Safety Klean	1:3	98%	98%	95%
<b>“Wire-cut Medium Brown”</b>				
<b>Product</b>	<b>Dilution</b>	<b>3 day</b>	<b>7 day</b>	<b>14 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	98%
Enviro Klean® Safety Klean	1:2	100%	100%	95%
Enviro Klean® Safety Klean	1:3	100%	100%	95%



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

**Test Results – New Construction Cleaning; Type N Mortar**

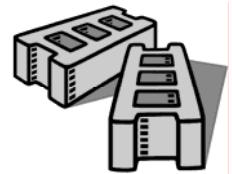
% removal

<b>“Annapolis”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	95%	90%	90%
<b>“Antique Rose”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
<b>“Ashbury”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	95%
Enviro Klean® Safety Klean	1:2	100%	100%	98%
Enviro Klean® Safety Klean	1:3	100%	98%	90%
<b>“Bandera Blend”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
<b>“Bastille”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	95%
Sure Klean® Vana Trol®	1:8	100%	90%	90%
Enviro Klean® Safety Klean	1:2	100%	100%	95%
Enviro Klean® Safety Klean	1:3	95%	90%	90%
<b>“Bayou”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	98%
Sure Klean® Vana Trol®	1:8	100%	100%	90%
Enviro Klean® Safety Klean	1:2	100%	100%	90%
Enviro Klean® Safety Klean	1:3	99%	95%	90%
<b>“Brentwood”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	98%	98%
Sure Klean® Vana Trol®	1:8	100%	98%	95%
Enviro Klean® Safety Klean	1:2	100%	98%	95%
Enviro Klean® Safety Klean	1:3	98%	95%	95%





# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

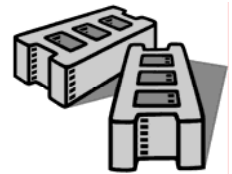
**Test Results – New Construction Cleaning; Type N Mortar**

% removal

<b>“Fredericksburg”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
<b>“Shadowstone”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
<b>“Silverstone”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
<b>“Virginian”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	98%	98%
Sure Klean® Vana Trol®	1:8	100%	95%	95%
Enviro Klean® Safety Klean	1:2	98%	95%	90%
Enviro Klean® Safety Klean	1:3	98%	95%	90%
<b>“Wire-cut Medium Brown”</b>				
<b>Product</b>	<b>Dilution</b>	<b>7 day</b>	<b>14 day</b>	<b>21 day</b>
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean® Vana Trol®	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

Page 9

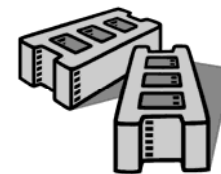
**Test Results – Limiting Surface Alterations**

<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Annapolis"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Antique Rose"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Ashbury"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Bandera Blend"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Bastille"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Bayou"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	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.**

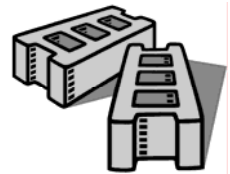
**Test Results – Limiting Surface Alterations**

<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Brentwood"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Fredericksburg"</b>			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Vana Trol®	1:6	2	0	0	0
Sure Klean® Vana Trol®	1:8	2	0	0	0
Enviro Klean® Safety Klean	1:2	3	0	0	0
Enviro Klean® Safety Klean	1:3	3	0	0	0
<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Shadowstone"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Silverstone"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Virginian"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
<b>Substrate: Clay Brick</b>		<b>Pigment Color: "Wire-cut Medium Brown"</b>			
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
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	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.

Photographs – New Construction Cleaning; Type S Mortar

“Brentwood” Clay Brick; 3 Day Cleaning



Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> 1:6	Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> 1:8	Enviro Klean <sup>®</sup> Safety Klean 1:2	Enviro Klean <sup>®</sup> Safety Klean 1:3	Untreated Control
---	---	---	---	-------------------

“Brentwood” Clay Brick; 7 Day Cleaning



Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> 1:6	Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> 1:8	Enviro Klean <sup>®</sup> Safety Klean 1:2	Enviro Klean <sup>®</sup> Safety Klean 1:3	Untreated Control
---	---	---	---	-------------------

“Brentwood” Clay Brick; 14 Day Cleaning

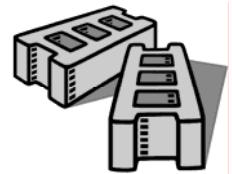


Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> 1:6	Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> 1:8	Enviro Klean <sup>®</sup> Safety Klean 1:2	Enviro Klean <sup>®</sup> Safety Klean 1:3	Untreated Control
---	---	---	---	-------------------





# PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 12

Photographs – New Construction Cleaning; Type N Mortar

“Brentwood” Clay Brick; 7 Day Cleaning



Sure Klean<sup>®</sup> Vana  
Trol<sup>®</sup> 1:6

Sure Klean<sup>®</sup> Vana  
Trol<sup>®</sup> 1:8

Enviro Klean<sup>®</sup>  
Safety Klean 1:2

Enviro Klean<sup>®</sup>  
Safety Klean 1:3

Untreated Control

“Brentwood” Clay Brick; 14 Day Cleaning



Sure Klean<sup>®</sup> Vana  
Trol<sup>®</sup> 1:6

Sure Klean<sup>®</sup> Vana  
Trol<sup>®</sup> 1:8

Enviro Klean<sup>®</sup>  
Safety Klean 1:2

Enviro Klean<sup>®</sup>  
Safety Klean 1:3

Untreated Control

“Brentwood” Clay Brick; 21 Day Cleaning



Sure Klean<sup>®</sup> Vana  
Trol<sup>®</sup> 1:6

Sure Klean<sup>®</sup> Vana  
Trol<sup>®</sup> 1:8

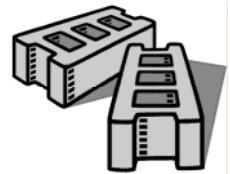
Enviro Klean<sup>®</sup>  
Safety Klean 1:2

Enviro Klean<sup>®</sup>  
Safety Klean 1:3

Untreated Control



# PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 13

## Photographs – Limiting Surface Alterations

### “Brentwood” Clay Brick; Limiting Surface Alterations



Sure Klean<sup>®</sup> Vana  
Trol<sup>®</sup> 1:6

Sure Klean<sup>®</sup> Vana  
Trol<sup>®</sup> 1:8

Enviro Klean<sup>®</sup>  
Safety Klean 1:2

Enviro Klean<sup>®</sup>  
Safety Klean 1:3

Untreated Control

### “Fredericksburg” Clay Brick; Limiting Surface Alterations



Sure Klean<sup>®</sup>  
Vana Trol<sup>®</sup> 1:6

Sure Klean<sup>®</sup>  
Vana Trol<sup>®</sup> 1:8

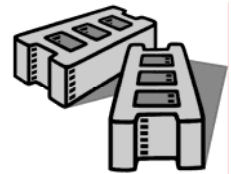
Enviro Klean<sup>®</sup>  
Safety Klean 1:2

Enviro Klean<sup>®</sup>  
Safety Klean 1:3

Untreated Control



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

### Conclusions – New Construction Cleaning

Based on the test results, all dilutions of both Enviro Klean® Safety Klean and Sure Klean® Vana Trol® tested performed well in removing excess Type S and Type N mortar from the submitted clay brick even after allowing the mortar to remain on the surface of the brick for 14 days for Type S and 21 days for Type N mortar. In addition, test results indicate that the evaluated cleaners caused no noticeable surface alterations to any of the submitted clay brick except the “Fredericksburg” samples.

**\*NOTE:** Both dilutions of Enviro Klean® Safety Klean and Sure Klean® Vana Trol®, combined with surface agitation and pressure rinsing at 700-800 psi, removed moderate to heavy amounts of the white slurry finish from the surface of the “Fredericksburg” clay brick. Therefore, no recommendations can be made at this time for removal of mortar and new construction soiling.

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 while minimizing any potential surface alterations to the decorative finish, clean within 3 days of construction for Type S mortar and 7 days of construction for Type N mortar.

### Recommendations – New Construction Cleaning

Recommendations for cleaning for each type of clay brick submitted by Boral Bricks, Inc., Alpharetta, GA are provided in the charts below. Recommendations are based on the optimum dilution for complete removal of mortar while limiting surface alterations.

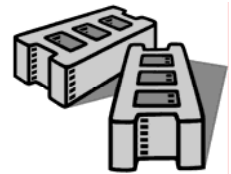
Sample	New Construction Cleaning (Type S mortar, 14 day cleaning)	New Construction Cleaning (Type N mortar, 21 day cleaning)
“Fredericksburg”	No Recommendations (See *NOTE Below)	No Recommendations (See *NOTE Below)
All Other Submitted Clay Brick	Sure Klean® Vana Trol® (1:6) OR (1:8) OR Enviro Klean® Safety Klean (1:2) OR (1:3)	Sure Klean® Vana Trol® (1:6) OR (1:8) OR Enviro Klean® Safety Klean (1:2) OR (1:3)

**\*NOTE:** Both dilutions of Enviro Klean® Safety Klean and Sure Klean® Vana Trol®, combined with surface agitation and pressure rinsing at 700-800 psi, removed moderate to heavy amounts of the white slurry finish from the surface of the “Fredericksburg” clay brick. Therefore, no recommendations can be made at this time for removal of mortar and new construction soiling.

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 15

---

## **Protective Water Repellents**

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

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

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

---

## **Description of Products Evaluated – Protective Water Repellents**

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

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

**Sure Klean® Weather Seal Siloxane PD** – A ready-to-use, water-based silane/siloxane water repellent for concrete, GFRP, 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.

---

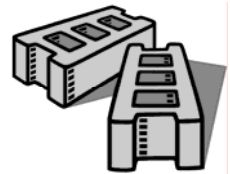
## **Sample Preparation – Protective Water Repellents**

The submitted brick were cut and allowed to dry for at least 24 hours prior to treatment. All treatments were applied by a wet-on-wet brushing application in accordance with the current PROSOCO, Inc. Product Data Sheet instructions and allowed to cure for at least 72 hours prior to testing.





# PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 16

## Test Methods – Protective Water Repellents

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

The water absorption tube test simulating wind driven and wind blown rain conditions was 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 be reported for treatments which result in of no more than:

$$5.0 \text{ mL} \times 20\% = \mathbf{1.0 \text{ mL}}$$

A rating of **A** *Average* water repellent performance would be reported for treatments which result in loss of no more than:

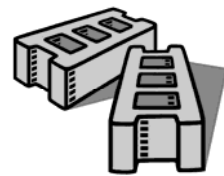
$$5.0 \text{ mL} \times 50\% = \mathbf{2.5 \text{ mL}}$$

A rating of **BA** *Below Average* water repellent performance would be reported for treatments which result in a loss of more than:

$$5.0 \text{ mL} \times 50\% = \mathbf{2.5 \text{ mL}}$$



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

Page 17

**Test Results – Protective Water Repellents**

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

**AA** = Above Average

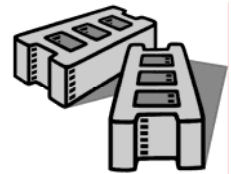
**A** = Average

**BA** = Below Average

<b>“Annapolis”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-2.6	<b><u>BA</u></b>
Sure Klean® Weather Seal Siloxane PD	-4.5	<b><u>BA</u></b>
<b>“Antique Rose”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-2.1	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane PD	-0.3	<b><u>AA</u></b>
<b>“Ashbury”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane PD	-4.2	<b><u>BA</u></b>
<b>“Bandera Blend”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-1.8	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane PD	-0.0	<b><u>AA</u></b>
<b>“Bastille”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-0.7	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane PD	-0.0	<b><u>AA</u></b>
<b>“Bayou”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.2	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane PD	-2.6	<b><u>BA</u></b>
<b>“Brentwood”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-3.5	<b><u>BA</u></b>
Sure Klean® Weather Seal Siloxane PD	-5.0	<b><u>BA</u></b>
<b>“Fredericksburg”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-0.2	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane PD	-0.0	<b><u>AA</u></b>



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

Page 18

**Test Results – Protective Water Repellents**

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

**AA** = Above Average

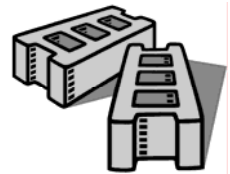
**A** = Average

**BA** = Below Average

<b>“Shadowstone”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-2.2	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane PD	-0.4	<b><u>AA</u></b>
<b>“Silverstone”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane PD	-0.2	<b><u>AA</u></b>
<b>“Virginian”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-2.7	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane PD	-1.3	<b><u>A</u></b>
<b>“Wire-cut Medium Brown”</b>	<b>Results in mL loss</b>	<b>Ranking</b>
Untreated Control	-4.5	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.1	<b><u>AA</u></b>
Sure Klean® Weather Seal Siloxane PD	-2.6	<b><u>BA</u></b>



# PALLET TAG PROGRAM LABORATORY REPORT

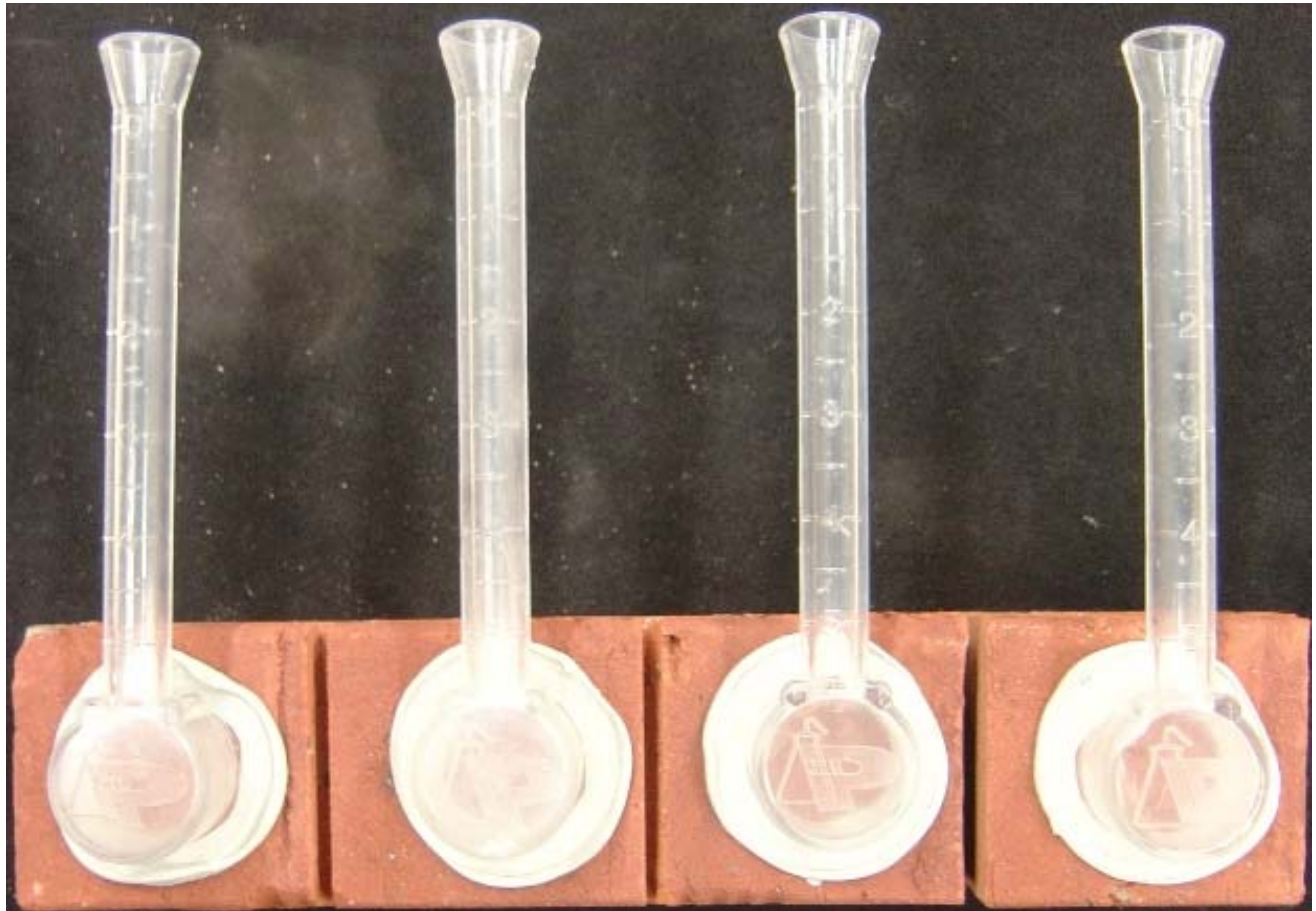


PROSOCO, Inc.

Page 19

## Photographs – Protective Water Repellents

“Ashbury”; RILEM Testing



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

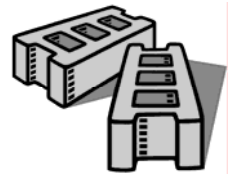
**Sure Klean® Weather  
Seal Siloxane PD**

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

**Untreated Control**



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

### Conclusions – Protective Water Repellents

Test results indicate that at least one of the treatments evaluated exhibited above average water repellency on all of the submitted clay brick. In addition, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control exhibited a slight to moderate color enhancement to the submitted clay brick. Sure Klean® Weather Seal Siloxane WB Concentrate diluted with nine parts water and Sure Klean® Weather Seal Siloxane PD did not alter the appearance of any of the submitted clay brick.

### Recommendations – Protective Water Repellents

Recommendations for water repellent treatments for each type of clay brick submitted by Boral Bricks, Inc., Alpharetta, GA are provided in the chart below. Recommendations are based on the treatments that proved most effective at providing water repellency on all types submitted.

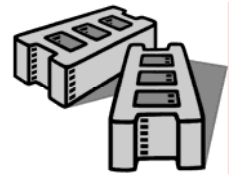
Sample	Protective Water Repellents
“Annapolis” “Brentwood”	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control
“Ashbury” “Bayou” “Virginian” “Wire-cut Medium Brown”	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)
“Antique Rose” “Bandera Blend” “Bastille” “Fredericksburg” “Shadowstone” “Silverstone”	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean® Weather Seal Siloxane PD

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



Page 21

PROSOCO, Inc.

---

## Graffiti Control

These trials were conducted to determine the optimal graffiti control treatment for the submitted clay brick samples.

---

### Description of Products Evaluated – Graffiti Control

#### Graffiti Control Treatments

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

#### Products Evaluated for Graffiti Removal

**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.

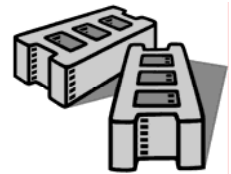
**Defacer Eraser® Graffiti Wipe** – An easy-to-use graffiti remover that does not contain methanol, methylene chloride or other halogenated solvents prohibited on many projects. Graffiti Wipe removes a variety of graffiti stains from most smooth masonry, split-face concrete block, wood and metal surfaces.

#### Graffiti Agents

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



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

---

## **Sample Preparation – Graffiti Control**

This evaluation compares the effectiveness of the treatments tested to the untreated surfaces of the submitted samples in preventing staining of enamel spray paint and permanent markers.

Sections of the clay brick samples were treated with Sure Klean® Weather Seal Blok-Guard® & Graffiti Control in a wet-on-wet brushing application in accordance with the current PROSOCO, Inc. Product Data Sheet application instructions and then allowed to cure for at least 24 hours. At the end of the one-day cure period, a visual adverse effects evaluation was made and then the graffiti agents were applied to the substrates.

Spray paint and markers were applied as graffiti agents to all treated surfaces no sooner than one day following application of 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.

---

## **Test Method – Graffiti Control**

Chemical cleaners were evaluated using the following procedure:

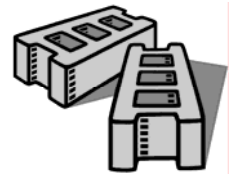
1. Apply the product to a dry surface, soiled with graffiti.
2. Allow appropriate dwell time:
  - Fast Acting Stripper ..... 20 minutes
  - Graffiti Wipe ..... 5 minutes
3. Pressure rinse thoroughly until water runs clear.\*
4. Allow the surface to dry thoroughly and visually examine to determine effectiveness.

\*Pressure Rinsing 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.





# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

Page 23

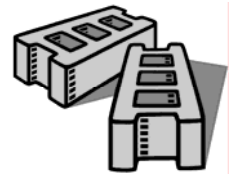
**Test Results – Graffiti Control**

<b>“Annapolis”</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>
Fast Acting Stripper	80%	90%	80%	100%	<b>88%</b>
Graffiti Wipe	40%	50%	70%	100%	<b>65%</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>
Fast Acting Stripper	90%	98%	100%	100%	<b>97%</b>
Graffiti Wipe	98%	95%	100%	100%	<b>98%</b>
<b>“Antique Rose”</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>
Fast Acting Stripper	80%	95%	75%	95%	<b>86%</b>
Graffiti Wipe	60%	30%	60%	80%	<b>58%</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>
Fast Acting Stripper	95%	99%	98%	100%	<b>98%</b>
Graffiti Wipe	99%	95%	95%	99%	<b>97%</b>
<b>“Ashbury”</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>
Fast Acting Stripper	80%	95%	90%	90%	<b>89%</b>
Graffiti Wipe	40%	85%	90%	90%	<b>76%</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>
Fast Acting Stripper	90%	98%	98%	100%	<b>97%</b>
Graffiti Wipe	98%	98%	100%	100%	<b>99%</b>
<b>“Bandera Blend”</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>
Fast Acting Stripper	90%	100%	100%	100%	<b>98%</b>
Graffiti Wipe	80%	20%	60%	80%	<b>60%</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>
Fast Acting Stripper	95%	100%	100%	100%	<b>99%</b>
Graffiti Wipe	100%	100%	100%	100%	<b>100%</b>
<b>“Bastille”</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>
Fast Acting Stripper	40%	90%	80%	80%	<b>73%</b>
Graffiti Wipe	80%	60%	80%	80%	<b>75%</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>
Fast Acting Stripper	70%	95%	90%	95%	<b>88%</b>
Graffiti Wipe	98%	100%	100%	100%	<b>100%</b>
<b>“Bayou”</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>
Fast Acting Stripper	80%	100%	100%	100%	<b>95%</b>
Graffiti Wipe	60%	10%	90%	100%	<b>65%</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>
Fast Acting Stripper	90%	100%	100%	100%	<b>98%</b>
Graffiti Wipe	99%	100%	100%	100%	<b>100%</b>
<b>“Brentwood”</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>
Fast Acting Stripper	80%	100%	100%	100%	<b>95%</b>
Graffiti Wipe	60%	30%	90%	95%	<b>69%</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>
Fast Acting Stripper	90%	100%	100%	100%	<b>98%</b>
Graffiti Wipe	100%	100%	100%	100%	<b>100%</b>





# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

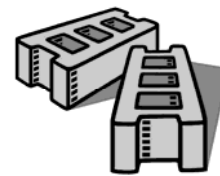
Page 24

**Test Results – Graffiti Control**

<b>“Fredericksburg”</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>
Fast Acting Stripper	80%	90%	90%	90%	<b>88%</b>
Graffiti Wipe	60%	20%	70%	80%	<b>58%</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>
Fast Acting Stripper	85%	90%	100%	100%	<b>94%</b>
Graffiti Wipe	100%	80%	100%	100%	<b>95%</b>
<b>“Shadowstone”</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>
Fast Acting Stripper	70%	95%	20%	90%	<b>69%</b>
Graffiti Wipe	10%	10%	20%	70%	<b>28%</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>
Fast Acting Stripper	85%	95%	80%	90%	<b>88%</b>
Graffiti Wipe	99%	95%	85%	90%	<b>92%</b>
<b>“Silverstone”</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>
Fast Acting Stripper	80%	99%	60%	90%	<b>82%</b>
Graffiti Wipe	60%	10%	60%	80%	<b>53%</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>
Fast Acting Stripper	85%	99%	98%	100%	<b>96%</b>
Graffiti Wipe	99%	99%	99%	100%	<b>99%</b>
<b>“Virginian”</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>
Fast Acting Stripper	50%	100%	95%	95%	<b>85%</b>
Graffiti Wipe	70%	30%	90%	90%	<b>70%</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>
Fast Acting Stripper	85%	100%	100%	100%	<b>96%</b>
Graffiti Wipe	100%	100%	100%	100%	<b>100%</b>
<b>“Wire-cut Medium Brown”</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>
Fast Acting Stripper	85%	100%	90%	95%	<b>93%</b>
Graffiti Wipe	80%	10%	70%	90%	<b>63%</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>
Fast Acting Stripper	85%	100%	100%	100%	<b>96%</b>
Graffiti Wipe	99%	100%	100%	100%	<b>100%</b>



# PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

## Photographs – Graffiti Control

“Antique Rose”; Graffiti Applied



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

Untreated Control

“Antique Rose”; Graffiti Removed



Sure Klean® Fast  
Acting Stripper

Defacer Eraser®  
Graffiti Wipe

Sure Klean® Fast  
Acting Stripper

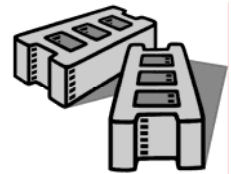
Defacer Eraser®  
Graffiti Wipe

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

Untreated Control



# PALLET TAG PROGRAM LABORATORY REPORT



**PROSOCO, Inc.**

**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 prior to graffiti application. In addition, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control exhibited a slight to moderate color enhancement to the submitted clay brick.

**\*NOTE:** Both Sure Klean® Fast Acting Stripper and Defacer Eraser® Graffiti Wipe, combined with surface agitation and pressure rinsing at 700-800 psi, may remove some of the white slurry finish from the surface of the “Fredericksburg” clay brick. It is therefore recommended that on-site testing be conducted to determine if the change in appearance is acceptable.

**Recommendations – Graffiti Control**

Recommendations for graffiti control treatment for each type of clay brick submitted by Boral Bricks, Inc., Alpharetta, GA 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 of clay brick submitted.

Sample	Graffiti Repellent	Graffiti Removers
“Fredericksburg”	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe (See *NOTE Below)
All Other Submitted Clay Brick	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe

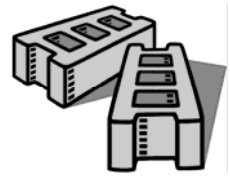
**\*NOTE:** Both Sure Klean® Fast Acting Stripper and Defacer Eraser® Graffiti Wipe, combined with surface agitation and pressure rinsing at 700-800 psi, may remove some of the white slurry finish from the surface of the “Fredericksburg” clay brick. It is therefore recommended that on-site testing be conducted to determine if the change in appearance is acceptable.

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. See product literature for additional application and product information.

Christopher A. Moore  
Project Testing Laboratory Technician  
CAM



# PALLET TAG PROGRAM LABORATORY REPORT



**AMT Laboratories**

---

## **Boral Bricks, Inc. Alpharetta, GA**

***Project No. 0510-06 PTP***

***Prepared For:***

**Boral Bricks  
200 Mansell Ct. East, Ste. 305  
Alpharetta, GA 30076**

***Prepared By:***

***PROSOCO, Inc.  
January 2006***