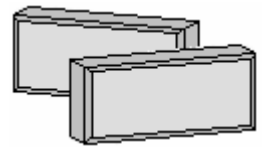




PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Table of Contents

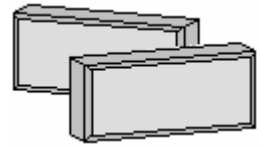
Submitted Information.....	1
Purpose of Testing.....	2
Products Evaluated.....	3
New Construction Cleaning	4
Description of Products Evaluated – New Construction Cleaning and/or Limiting Surface Alterations.....	4
Test Method – New Construction Cleaning	4
Test Results – New Construction Cleaning	5
Test Results – Limiting Surface Alterations	6
Photographs – New Construction Cleaning	8
Photographs – Limiting Surface Alterations.....	10
Conclusions – New Construction Cleaning.....	11
Conclusions – Limiting Surface Alterations.....	11
Recommendations – New Construction Cleaning	11
Protective Water Repellents.....	12
Description of Products Evaluated – Protective Water Repellents	12
Sample Preparation – Protective Water Repellents.....	13
Test Methods – Protective Water Repellents.....	13
Test Results – Protective Water Repellents	14
Photographs – Protective Water Repellents	15
Conclusions – Protective Water Repellents.....	16
Recommendations – Protective Water Repellents	16
Graffiti Control.....	17
Description of Products Evaluated – Graffiti Control.....	17
Sample Preparation – Graffiti Control	18
Test Methods – Graffiti Control	18
Test Results – Graffiti Control	19
Photographs – Graffiti Control.....	20
Conclusions – Graffiti Control	21
Recommendations – Graffiti Control	21
Stain Repellency	22
Description of Products Evaluated – Stain Repellency.....	22
Sample Preparation – Stain Repellency	22
Test Method – Stain Repellency	23
Test Results – Surface Beading.....	24
Test Results – Stain Repellency	25
Photographs – Stain Repellency.....	30
Conclusions – Stain Repellency.....	31
Recommendations – Stain Repellency	31
Color Enhancement	32
Description of Products Evaluated – Color Enhancement.....	32
Sample Preparation – Color Enhancement	32
Test Method – Color Enhancement	32
Test Results – Color Enhancement	33
Photographs – Color Enhancement.....	34
Recommendations – Color Enhancement	35

Attachments

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



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 1

Submitted Information

For: Mike Burdette
cc: Paul Tessier

Subject: Florida Precast Specialty Products, LLC
Bradenton, FL

Date:

Project: 0506-27 PTP

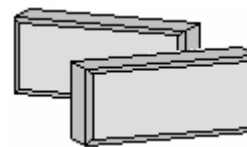
Samples Submitted: 5 types of precast concrete panels with fiber reinforcement and vermiculite

Sample	Color	Size
"Buff"	Beige	4 ¾" x 12" x ½"
"Coral"	Pink	4" x 10" x ½"
"Harvest Gold"	Yellow	4" x 10" x ½"
"Natural"	Tan	4" x 10" x ½"
"Slate"	Dark Gray	4" x 10" x ½"

Submitted by: Mike Burdette



PALLET TAG PROGRAM LABORATORY REPORT



Purpose of Testing

Five types of precast concrete panels with fiber reinforcement and vermiculite 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, graffiti control products, stain repellents and color enhancement products suitable for precast concrete were evaluated.

New Construction Cleaning – Sure Klean® Custom Masonry Cleaner and Sure Klean® Light Duty Concrete Cleaner were evaluated for removal of laboratory applied mortar while limiting surface alterations to the decorative finish. In addition, Enviro Klean® Safety Klean and Enviro Klean® 2010 All Surface Cleaner were evaluated to determine if any surface alterations were produced when used on the submitted samples. The surface alteration evaluation was visually determined based upon perceived discoloration or erosion/etching of the samples.

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

Heavy deposits of mortar were removed with dry scraping after 24 hours. Prepared cleaning solutions were then evaluated for their effectiveness in removing residual Type 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 samples based on the following:

Surface Finish Removal is the visual examination of the sample 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 sample 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 sample.

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 II, Sure Klean® Weather Seal Siloxane PD, Stand Off® SLX100 Water & Oil Repellent, Stand Off® Impregnator and Consolideck® DuraSheen were evaluated on the submitted samples for their ability to provide water repellency.

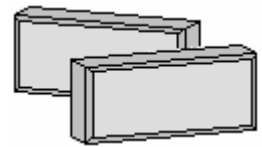
Graffiti Control – Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II was evaluated for its ability to repel graffiti from the submitted samples. Sure Klean® Fast Acting Stripper and Defacer Eraser® Graffiti Wipe were evaluated for their ability to remove graffiti from the submitted samples.

Stain Repellency – Stand Off® SLX100 Water & Oil Repellent, Stand Off® Impregnator and Consolideck® DuraSheen were evaluated for their ability to repel stains from the submitted samples.

Color Enhancement – Consolideck® DuraSheen was evaluated for its ability to provide color enhancement to the submitted samples.



PALLET TAG PROGRAM LABORATORY REPORT



Products Evaluated

Products Evaluated for New Construction Cleaning and/or Limiting Surface Alterations

Sample	Product	Dilution
All Submitted Precast Concrete	Sure Klean® Custom Masonry Cleaner	1:2, 1:4, 1:6
	Sure Klean® Light Duty Concrete Cleaner	1:6
	Enviro Klean® Safety Klean (Limiting Surface Alterations Only)	1:2, 1:3
	Enviro Klean® 2010 All Surface Cleaner (Limiting Surface Alterations Only)	1:10

Water Repellent Products Evaluated

Sample	Product	Dilution
All Submitted Precast Concrete	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	Concentrate
	Sure Klean® Weather Seal Siloxane PD	Concentrate
	Stand Off® SLX100 Water & Oil Repellent	Concentrate
	Stand Off® Impregnator	Concentrate

Graffiti Repellent Products Evaluated

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

Graffiti Removal Products Evaluated

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

Stain Repellent Products Evaluated

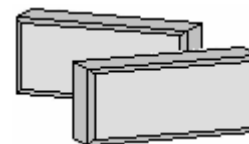
Sample	Product	Dilution
All Submitted Precast Concrete	Stand Off® SLX100 Water & Oil Repellent	Concentrate
	Stand Off® Impregnator	Concentrate
	Consolideck® DuraSheen	Concentrate

Color Enhancement Products Evaluated

Sample	Product	Dilution
All Submitted Precast Concrete	Consolideck® DuraSheen	Concentrate



PALLET TAG PROGRAM LABORATORY REPORT



New Construction Cleaning

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

Type N cementitious mortar was prepared in compliance with the manufacturer's instructions, applied to the precast concrete 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 Type N cementitious mortar was visually evaluated after 7, 14 and 21 days of curing.

Description of Products Evaluated – New Construction Cleaning and/or Limiting Surface Alterations

Sure Klean® Custom Masonry Cleaner – A general purpose, concentrated acidic cleaner for most custom masonry and colored concrete. Removes concrete splashes, excess mortar, mud, heavy efflorescence and surface soiling, leaving the masonry clean and uniform with no acid burning or streaking. Liquid concentrate for dilution with 2-6 parts water. Apply by brush or low-pressure spray.

Sure Klean® Light Duty Concrete Cleaner – Removes common construction and atmospheric staining from custom masonry and other architectural concrete surfaces. This general-purpose, non-etching, acidic cleaner removes rust, mud, oil, atmospheric dirt, mortar smears and other stains without altering the surface texture. Light Duty Concrete Cleaner adds depth to colors and brightens white matrices and exposed aggregate.

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.

Enviro Klean® 2010 All Surface Cleaner – A “next-generation” product for cleaning and degreasing light-to-heavily soiled stone, tile, masonry and much more. Powerful enough for industrial use, flexible enough for jobs around the home, space-saving EK 2010 replaces a host of individual cleaning agents. It is suitable for home-use on windows, bathroom tub and tile, counter tops and more when diluted with water. It's concentrated enough for the toughest industrial cleaning jobs on concrete, metal and many other plant and warehouse surfaces. EK 2010 also removes Sure Klean® Weather Seal Siloxane PD overspray from windows.

Test Method – New Construction Cleaning

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

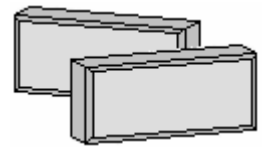
1. Pre-wet the surface with water.
2. Apply the cleaner.
3. Allow the appropriate dwell time, as specified.

Custom Masonry Cleaner	3 minutes
Light Duty Concrete Cleaner.....	3-5 minutes
Safety Klean.....	3-5 minutes
2010 All Surface Cleaner	1-10 minutes
4. Pressure rinse thoroughly.*

***Pressure Rinsing Equipment** – Masonry washing equipment generating approximately 1300 psi with a water flow rate of 1.9 gallons per minute delivered through a 45 degree fan spray tip was used for rinsing.



PALLET TAG PROGRAM LABORATORY REPORT



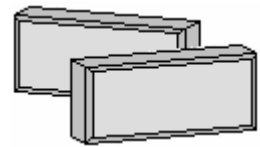
Test Results – New Construction Cleaning

% removal

“Buff”				
Product	Dilution	7 day	14 day	21 day
Sure Klean® Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean® Custom Masonry Cleaner	1:4	100%	100%	100%
Sure Klean® Custom Masonry Cleaner	1:6	100%	100%	100%
Sure Klean® Light Duty Concrete Cleaner	1:6	100%	100%	100%
“Coral”				
Product	Dilution	7 day	14 day	21 day
Sure Klean® Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean® Custom Masonry Cleaner	1:4	100%	100%	100%
Sure Klean® Custom Masonry Cleaner	1:6	100%	100%	100%
Sure Klean® Light Duty Concrete Cleaner	1:6	100%	100%	100%
“Harvest Gold”				
Product	Dilution	7 day	14 day	21 day
Sure Klean® Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean® Custom Masonry Cleaner	1:4	100%	100%	100%
Sure Klean® Custom Masonry Cleaner	1:6	100%	100%	100%
Sure Klean® Light Duty Concrete Cleaner	1:6	100%	100%	100%
“Natural”				
Product	Dilution	7 day	14 day	21 day
Sure Klean® Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean® Custom Masonry Cleaner	1:4	100%	100%	100%
Sure Klean® Custom Masonry Cleaner	1:6	100%	100%	100%
Sure Klean® Light Duty Concrete Cleaner	1:6	100%	100%	100%
“Slate”				
Product	Dilution	7 day	14 day	21 day
Sure Klean® Custom Masonry Cleaner	1:2	100%	100%	100%
Sure Klean® Custom Masonry Cleaner	1:4	100%	100%	100%
Sure Klean® Custom Masonry Cleaner	1:6	100%	100%	100%
Sure Klean® Light Duty Concrete Cleaner	1:6	100%	100%	100%



PALLET TAG PROGRAM LABORATORY REPORT



Test Results – Limiting Surface Alterations

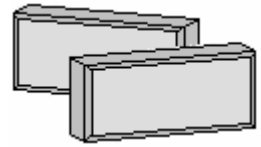
Substrate: Precast Concrete		Pigment Color: “Buff”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Custom Masonry Cleaner	1:2	3	3	0	0
Sure Klean® Custom Masonry Cleaner	1:4	3	3	0	0
Sure Klean® Custom Masonry Cleaner	1:6	3	3	0	0
Sure Klean® Light Duty Concrete Cleaner	1:6	1	1	0	0
Enviro Klean® Safety Klean	1:2	1	1	0	0
Enviro Klean® Safety Klean	1:3	1	1	0	0
Enviro Klean® 2010 All Surface Cleaner	1:10	0	0	0	0
Substrate: Precast Concrete		Pigment Color: “Coral”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Custom Masonry Cleaner	1:2	3	3	0	0
Sure Klean® Custom Masonry Cleaner	1:4	3	3	0	0
Sure Klean® Custom Masonry Cleaner	1:6	3	3	0	0
Sure Klean® Light Duty Concrete Cleaner	1:6	1	1	0	0
Enviro Klean® Safety Klean	1:2	1	1	0	0
Enviro Klean® Safety Klean	1:3	1	1	0	0
Enviro Klean® 2010 All Surface Cleaner	1:10	0	0	0	0
Substrate: Precast Concrete		Pigment Color: “Harvest Gold”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Custom Masonry Cleaner	1:2	3	3	0	0
Sure Klean® Custom Masonry Cleaner	1:4	3	3	0	0
Sure Klean® Custom Masonry Cleaner	1:6	3	3	0	0
Sure Klean® Light Duty Concrete Cleaner	1:6	1	1	0	0
Enviro Klean® Safety Klean	1:2	1	1	0	0
Enviro Klean® Safety Klean	1:3	1	1	0	0
Enviro Klean® 2010 All Surface Cleaner	1:10	0	0	0	0
Substrate: Precast Concrete		Pigment Color: “Natural”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Custom Masonry Cleaner	1:2	3	3	0	0
Sure Klean® Custom Masonry Cleaner	1:4	3	3	0	0
Sure Klean® Custom Masonry Cleaner	1:6	3	3	0	0
Sure Klean® Light Duty Concrete Cleaner	1:6	1	1	0	0
Enviro Klean® Safety Klean	1:2	1	1	0	0
Enviro Klean® Safety Klean	1:3	1	1	0	0
Enviro Klean® 2010 All Surface Cleaner	1:10	0	0	0	0

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

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



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 7

Test Results – Limiting Surface Alterations

Substrate: Precast Concrete		Pigment Color: "Slate"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean [®] Custom Masonry Cleaner	1:2	3	3	0	0
Sure Klean [®] Custom Masonry Cleaner	1:4	3	3	0	0
Sure Klean [®] Custom Masonry Cleaner	1:6	3	3	0	0
Sure Klean [®] Light Duty Concrete Cleaner	1:6	1	1	0	0
Enviro Klean [®] Safety Klean	1:2	1	1	0	0
Enviro Klean [®] Safety Klean	1:3	1	1	0	0
Enviro Klean [®] 2010 All Surface Cleaner	1:10	0	0	0	0

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

0 – no change

3 – heavy

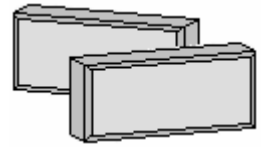
1 – slight

4 – excessive

2 – moderate



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 8

Photographs – New Construction Cleaning

“Slate”; Type N Mortar; 7 Day Cleaning



**Sure Klean®
Custom Masonry
Cleaner (1:2)**

**Sure Klean®
Custom Masonry
Cleaner (1:4)**

**Sure Klean®
Custom Masonry
Cleaner (1:6)**

**Sure Klean® Light
Duty Concrete
Cleaner (1:6)**

**Untreated
Control**

“Slate”; Type N Mortar; 14 Day Cleaning



**Sure Klean®
Custom Masonry
Cleaner (1:2)**

**Sure Klean®
Custom Masonry
Cleaner (1:4)**

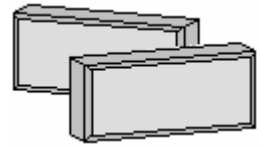
**Sure Klean®
Custom Masonry
Cleaner (1:6)**

**Sure Klean® Light
Duty Concrete
Cleaner (1:6)**

**Untreated
Control**



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 9

Photographs – New Construction Cleaning

“Slate”; Type N Mortar; 21 Day Cleaning



**Sure Klean®
Custom Masonry
Cleaner (1:2)**

**Sure Klean®
Custom Masonry
Cleaner (1:4)**

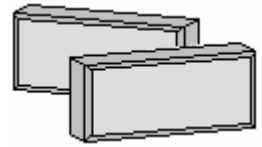
**Sure Klean®
Custom Masonry
Cleaner (1:6)**

**Sure Klean® Light
Duty Concrete
Cleaner (1:6)**

**Untreated
Control**



PALLET TAG PROGRAM LABORATORY REPORT



Photographs – Limiting Surface Alterations

“Slate” Limiting Surface Alterations



**Sure Klean®
Custom Masonry
Cleaner (1:2)**

**Sure Klean®
Custom Masonry
Cleaner (1:4)**

**Sure Klean®
Custom Masonry
Cleaner (1:6)**

**Sure Klean® Light
Duty Concrete
Cleaner (1:6)**



**Enviro Klean®
Safety Klean (1:2)**

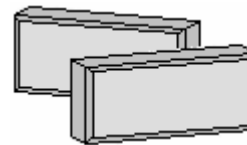
**Enviro Klean®
Safety Klean (1:3)**

**Enviro Klean®
2010 All Surface
Cleaner (1:10)**

**Untreated
Control**



PALLET TAG PROGRAM LABORATORY REPORT



Conclusions – New Construction Cleaning

Based on the test results, both *Sure Klean® Custom Masonry Cleaner and Sure Klean® Light Duty Concrete Cleaner performed well in removing excess Type N mortar from the submitted samples even after allowing the mortar to remain on the surface of the samples for 21 days under ideal curing conditions.

***NOTE:** All dilutions of Sure Klean® Custom Masonry Cleaner tested removed heavy amounts of the pigmented finish from the surface of the submitted samples. Therefore, Sure Klean® Custom Masonry Cleaner is not recommended on the submitted samples.

Conclusions – Limiting Surface Alterations

Both dilutions of Enviro Klean® Safety Klean and Sure Klean® Light Duty Concrete Cleaner diluted with six parts water removed slight amounts of the pigmented finish from the surface of all of the submitted samples. **It is recommended that job-site testing be performed in an inconspicuous area before attempting overall cleaning to determine if the change in surface finish is acceptable.**

Enviro Klean® 2010 All Surface Cleaner caused no noticeable changes to the pigmented finish on any of the submitted samples. **Enviro Klean® 2010 All Surface Cleaner was evaluated for limiting surface alterations only and is not recommended for mortar removal.**

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.

Recommendations – New Construction Cleaning

Recommendations for cleaning for the precast concrete submitted by Florida Precast Specialty Products, LLC, Bradenton, FL are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar while limiting surface alterations.

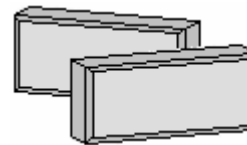
Sample	New Construction Cleaning (Type N mortar, 21 day cleaning)
All Submitted Precast Concrete	Sure Klean® Light Duty Concrete Cleaner (1:6)

Sample	Limiting Surface Alterations
All Submitted Precast Concrete	Sure Klean® Light Duty Concrete Cleaner (1:6) OR Enviro Klean® Safety Klean (1:3) OR Enviro Klean® 2010 All Surface Cleaner (1:10)

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



Protective Water Repellents

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

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

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

Description of Products Evaluated – Protective Water Repellents

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

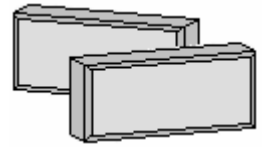
Sure Klean® Weather Seal Siloxane PD – A ready-to-use, water-based silane/siloxane water repellent for concrete, GFRC, and most masonry and stucco surfaces. Siloxane PD penetrates more deeply than conventional water repellents. It helps masonry resist cracking, spalling, staining and other damage related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

Stand Off® SLX100 Water & Oil Repellent – Combines water and oil repellency on most substrates to prevent staining by waterborne and oily substances. This modified “neat” silane system offers invisible protection and low volatility. The small molecular structure of SLX100 allows for maximum penetration at coverage rates higher than that of conventional silanes. Depth of penetration is controlled by the application rate (loading rate). This makes SLX100 ideal for protecting granite and other dense, color-sensitive surfaces.

Stand Off® Impregnator – Combines water and oil repellency to prevent staining by waterborne or oily substances. This special system offers invisible protection and low volatility. The small molecular structure of Impregnator lets it penetrate and chemically bond deep within the substrate to provide long-lasting protection against water- and oil-related staining and deterioration. In addition, Impregnator forms an effective chloride screen that reduces surface erosion and corrosion of rebar in reinforced concrete caused by water and water-carried salts.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 13

Sample Preparation – Protective Water Repellents

The submitted samples were allowed to absorb atmospheric humidity for at least 24 hours prior to treatment. All treatments were applied by brush in accordance with PROSOCO, Inc.'s 2005 Product Guide instructions. All treatments were allowed to cure for at least 72 hours prior to testing.

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 horizontal 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 less than or equal to:

$$5 \text{ ml} \times 20\% = 1 \text{ ml}$$

A rating of **A** *Average* water repellent performance would require loss of less than or equal to:

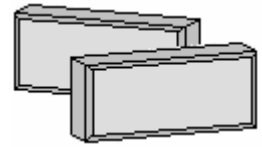
$$5 \text{ ml} \times 50\% = 2.5 \text{ ml}$$

A rating of **BA** *Below Average* water repellent performance would require loss of more than:

$$5 \text{ ml} \times 50\% = 2.5 \text{ ml}$$



PALLET TAG PROGRAM LABORATORY REPORT



Test Results – Protective Water Repellents

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

AA = Above Average

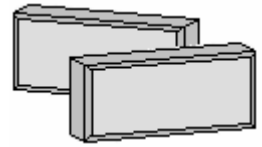
A = Average

BA = Below Average

“Buff”	Results in mL loss	Ranking
Untreated Control	-0.8	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Coral”	Results in mL loss	Ranking
Untreated Control	-0.4	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Harvest Gold”	Results in mL loss	Ranking
Untreated Control	-0.8	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Natural”	Results in mL loss	Ranking
Untreated Control	-0.1	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Slate”	Results in mL loss	Ranking
Untreated Control	-0.8	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>



PALLET TAG PROGRAM LABORATORY REPORT

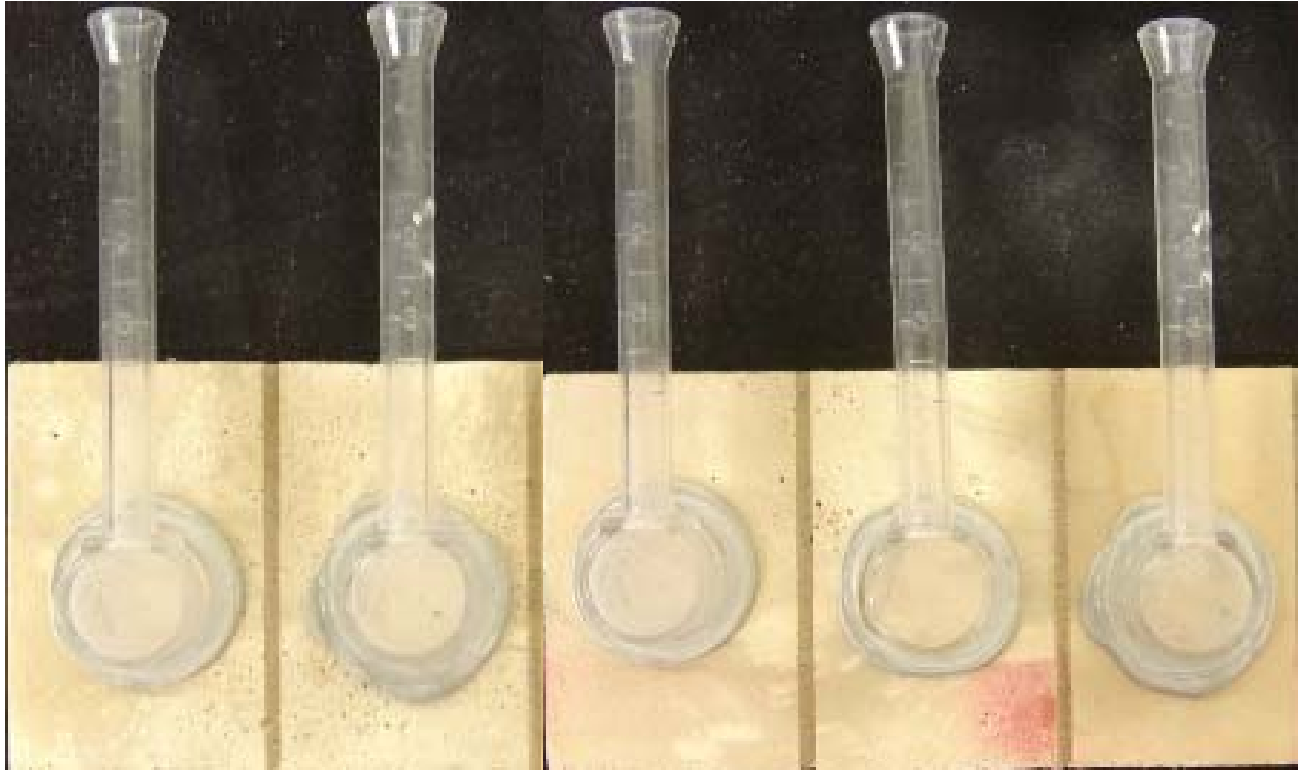


PROSOCO, Inc.

Page 15

Photographs – Protective Water Repellents

“Harvest Gold”; RILEM Testing



**Stand Off[®] SLX100
Water & Oil
Repellent**

**Stand Off[®]
Impregnator**

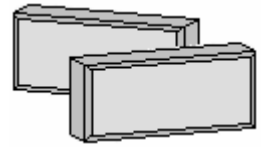
**Sure Klean[®]
Weather Seal
Siloxane PD**

**Untreated
Control**

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



PALLET TAG PROGRAM LABORATORY REPORT



Conclusions – Protective Water Repellents

Test results indicate that all of the water repellents tested exhibited above average water repellency on the submitted samples. In addition, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II provided a slight to moderate color enhancement to all types submitted.

Recommendations – Protective Water Repellents

Recommendations for water repellent treatments for the precast concrete submitted by Florida Precast Specialty Products, LLC, Bradenton, FL are provided in the chart below. Recommendations are based on the treatments that proved most effective at providing water repellency on the submitted samples.

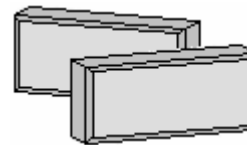
Sample	Water Repellents
All Submitted Precast Concrete	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD OR Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Impregnator

The ability of a water repellent treatment to prevent the ingress of water is affected by a variety of 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 17

Graffiti Control

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

Description of Products Evaluated – Graffiti Control

Products Evaluated for Graffiti Repellency

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

Products Evaluated for Graffiti Removal

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

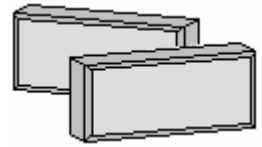
Sure Klean® Fast Acting Stripper – A thixotropic stripping compound formulated specifically for removal of high strength paints and coatings such as epoxies, polyurethanes, and floor enamels. Additionally, Fast Acting Stripper dissolves most spray paints, marking pens, lacquers and other graffiti.

Graffiti Agents

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



PALLET TAG PROGRAM LABORATORY REPORT



Sample Preparation – Graffiti Control

Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II was applied by brush to sections of the precast concrete samples, in accordance with the PROSOCO, Inc. 2005 Product Data Sheet application instructions and allowed to cure for at least one day. A visual adverse effects evaluation was made and then the graffiti agents were applied to the substrates.

Spray paint and markers were applied as graffiti agents to all treated surfaces no sooner than one day following application of Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II. Removal of the graffiti agents was attempted 24 hours after application of the graffiti agents, using Defacer Eraser® Graffiti Wipe and Sure Klean® Fast Acting Stripper.

Test Methods – Graffiti Control

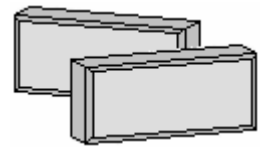
Chemical cleaners were evaluated using the following procedure:

1. Apply the graffiti removal product to a dry surface, soiled with graffiti.
2. Allow appropriate dwell time:
 - Graffiti Wipe 5 minutes
 - Fast Acting Stripper20 minutes
3. Pressure rinse thoroughly until water runs clear.*
4. Allow the surface to dry thoroughly and visually examine to determine effectiveness.

***Pressure Rinsing Equipment** – Masonry washing equipment generating approximately 1300 psi with a water flow rate of 1.9 gallons per minute delivered through a 45 degree fan spray tip was used for rinsing.



PALLET TAG PROGRAM LABORATORY REPORT

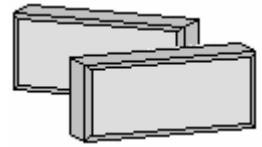


Test Results – Graffiti Control

“Buff”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	90%	80%	90%	86%
Graffiti Wipe	85%	90%	70%	80%	81%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	100%	90%	95%	94%
Graffiti Wipe	90%	100%	90%	95%	94%
“Coral”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	90%	70%	70%	78%
Graffiti Wipe	80%	50%	50%	70%	63%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	98%	90%	80%	80%	87%
Graffiti Wipe	98%	90%	80%	80%	87%
“Harvest Gold”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	90%	70%	80%	80%
Graffiti Wipe	98%	20%	70%	75%	66%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	100%	100%	100%	100%	100%
“Natural”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	70%	20%	60%	58%
Graffiti Wipe	80%	20%	20%	60%	45%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	90%	90%	90%	90%
Graffiti Wipe	95%	90%	95%	95%	94%
“Slate”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	70%	20%	70%	95%	64%
Graffiti Wipe	70%	20%	70%	95%	64%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	98%	100%	95%	95%	97%
Graffiti Wipe	98%	100%	95%	95%	97%



PALLET TAG PROGRAM LABORATORY REPORT



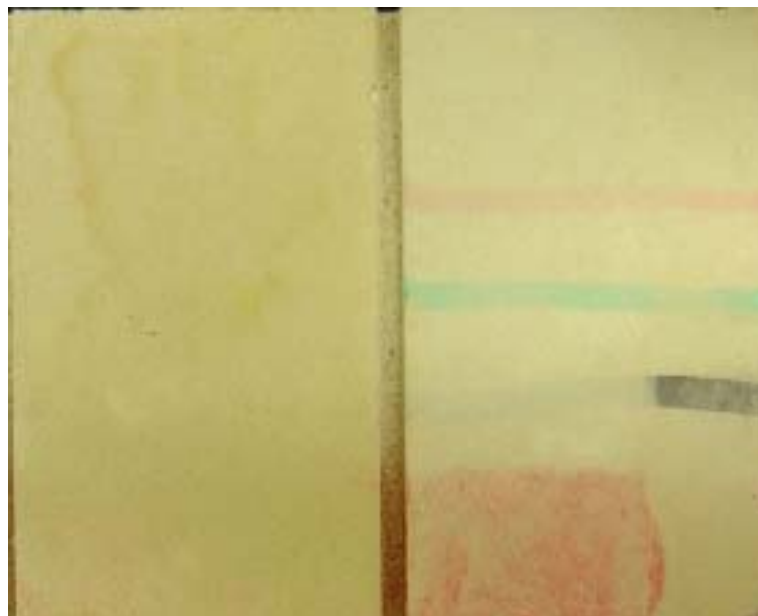
Photographs – Graffiti Control

“Harvest Gold”; Before Graffiti Removal



Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	Untreated Control
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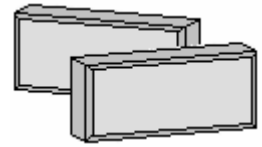
“Harvest Gold”; After Graffiti Removal



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 II		Untreated Control	



PALLET TAG PROGRAM LABORATORY REPORT



Conclusions – Graffiti Control

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

Recommendations – Graffiti Control

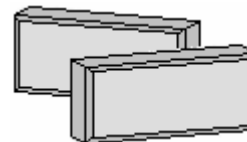
Recommendations for graffiti control treatment for each type of precast concrete submitted by Florida Precast Specialty Products, LLC, Bradenton, FL are provided in the chart below. Recommendations are based on the treatment that proved most effective for providing graffiti repellency and the product that was most effective at removing the graffiti on all types submitted.

Sample	Graffiti Repellency	Graffiti Removal
All Submitted Precast Concrete	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe

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.



PALLET TAG PROGRAM LABORATORY REPORT



Stain Repellency

These trials were conducted to determine the effectiveness of treatments in preventing food and oil staining on the submitted samples.

Description of Products Evaluated – Stain Repellency

Stain Repellent Treatments

Stand Off® SLX100 Water & Oil Repellent – Combines water and oil repellency on most substrates to prevent staining by waterborne and oily substances. This modified “neat” silane system offers invisible protection and low volatility. The small molecular structure of SLX100 allows for maximum penetration at coverage rates higher than that of conventional silanes. Depth of penetration is controlled by the application rate (loading rate). This makes SLX100 ideal for protecting granite and other dense, color-sensitive surfaces.

Stand Off® Impregnator – Combines water and oil repellency to prevent staining by waterborne or oily substances. This special system offers invisible protection and low volatility. The small molecular structure of Impregnator lets it penetrate and chemically bond deep within the substrate to provide long-lasting protection against water- and oil-related staining and deterioration. In addition, Impregnator forms an effective chloride screen that reduces surface erosion and corrosion of rebar in reinforced concrete caused by water and water-carried salts.

Consolideck® DuraSheen – A non-yellowing curing and sealing compound. Tough and chemical resistant, DuraSheen is designed for horizontal concrete where a premium, vibrant gloss and shine are required. Easily applied DuraSheen quickly forms a hard, glossy, water- and dust-proof clear shield on concrete. It's long-lasting, slip-resistant, chemical resistant, waterproof, and dust proof. DuraSheen is ideal for concrete new or old. It makes an excellent base coat for paints or tile and carpet adhesives, meeting the requirements of the Resilient Tile Institute and the tile adhesion test requirements of ASTM C 1315.

Maintenance Cleaner

Enviro Klean® 2010 All Surface Cleaner – A “next-generation” product for cleaning and degreasing light-to-heavily soiled stone, tile, masonry and much more. Powerful enough for industrial use, flexible enough for jobs around the home, space-saving EK 2010 replaces a host of individual cleaning agents. It is suitable for home-use on windows, bathroom tub and tile, counter tops and more when diluted with water. It's concentrated enough for the toughest industrial cleaning jobs on concrete, metal and many other plant and warehouse surfaces. EK 2010 also removes Sure Klean® Weather Seal Siloxane PD overspray from windows.

Staining Agents Evaluated

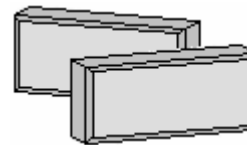
<u>Products</u>	<u>Temperature</u>
Coca Cola	ambient (~70°F)
Ketchup	ambient (~70°F)
Mustard	ambient (~70°F)
Red wine	ambient (~70°F)
Balsamic Vinegar	ambient (~70°F)
Soy Sauce	ambient (~70°F)
Olive Oil	ambient (~70°F)
Wesson Oil	(~250°F)
Coffee	(~120°F)

Sample Preparation – Stain Repellency

Samples were cleaned with Enviro Klean® 2010 All Surface Cleaner diluted with 10 parts water, allowed to dry and absorb atmospheric moisture for 24 hours prior to treatment. The protective treatments were then applied by brush in accordance with PROSOCO, Inc.'s 2005 Product Guide or Product Data Sheet instructions. The treatments were allowed to cure on the samples for at least 7 days before testing.



PALLET TAG PROGRAM LABORATORY REPORT



Test Method – Stain Repellency

Surface Beading Evaluation

The food and oil products were applied to the test areas by using a dropper creating a bead 0.5 – 1.0 cm in diameter. The beading properties of the oils and liquids were visually evaluated within two minutes after application. The results are reported as a rating based on the angle of contact between the base of the droplet and the substrate. A rating of “1 or 2” indicated the smallest angle of contact (<90°) which correlates to “above average” repellency. A rating of “3 or 4” indicates “average” repellency. A rating of “5 or greater” indicated that the oil quickly absorbed into the substrate and correlates to “below average” repellency.

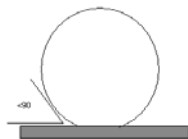
Note: Non-free flowing staining agents such as ketchup and mustard are applied in a globular fashion and therefore are not evaluated for their beading properties.

Rating System (1-5)

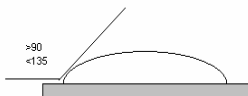
1. No wetting of contact area (no darkening); angle less than 90°



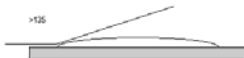
2. Wetting contained to the contact area (slight darkening); angle is less than 90°



3. Wetting contained to the contact area (slight darkening); angle is greater than 90°, but less than 135°.



4. Wetting beyond the contact area (darkening); angle is greater than 135°



5. Wetting beyond the contact area (darkening); angle is flat.

NO ANGLE

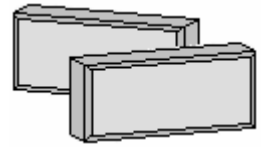


Stain Removal Evaluation

The soiling agents were allowed to dwell on the treated and untreated substrates for times of 24 hours, 4 hours, 1 hour, and 10 minutes. The test areas were then cleaned with Enviro Klean® 2010 All Surface Cleaner diluted 1 part concentrate to 10 parts fresh water and scrubbed under a stream of running water from a faucet. Samples were allowed to dry for 24 hours. Evaluation consisted of a visual examination of the tested areas to determine the percentage of staining removal.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

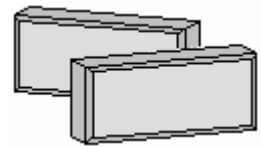
Page 24

Test Results – Surface Beading

“Buff”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	4	4	4	5	5	4
SLX100	1	-	-	1	1	1	2	3	3
Impregnator	1	-	-	2	2	2	3	3	3
DuraSheen	3	-	-	4	4	4	4	4	4
“Coral”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	5	4	4	5	5	4
SLX100	1	-	-	1	1	1	3	3	3
Impregnator	1	-	-	2	2	2	3	3	3
DuraSheen	3	-	-	4	4	4	4	4	4
“Harvest Gold”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	2	-	-	3	3	3	5	5	3
SLX100	1	-	-	1	1	1	3	3	3
Impregnator	1	-	-	1	1	1	3	3	3
DuraSheen	3	-	-	4	4	4	4	4	4
“Natural”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	5	5	3
SLX100	1	-	-	1	1	1	3	3	3
Impregnator	1	-	-	1	1	1	3	3	3
DuraSheen	3	-	-	3	3	3	4	4	3
“Slate”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	2	2	2	3	3	3
Impregnator	1	-	-	2	2	2	3	3	3
DuraSheen	3	-	-	3	3	3	4	4	4



PALLET TAG PROGRAM LABORATORY REPORT



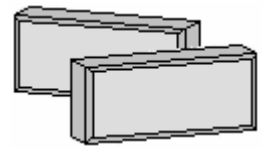
Test Results – Stain Repellency

“Buff”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	50%	<1%*	<1%*	90%	90%*	90%	<1%	<1%	100%
4 hour	50%	100%*	95%*	50%	70%*	100%	<1%	<1%	100%
1 hour	90%	100%*	95%*	80%	70%*	100%	<1%	<1%	100%
10 min.	95%	100%*	100%*	95%	100%*	100%	<1%	<1%	100%
Stand Off® SLX100 Water & Oil Repellent									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	95%*	85%	100%*	100%	90%	90%	100%
4 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	90%*	100%	100%*	100%	70%	70%	100%
4 hour	100%	100%*	100%*	100%	100%*	100%	85%	100%	100%
1 hour	100%	100%*	100%*	100%	100%*	100%	85%	100%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	85%	100%	100%
Consolideck® DuraSheen									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%

***Indicates etching occurred due to the acidic nature of the staining agents.**



PALLET TAG PROGRAM LABORATORY REPORT



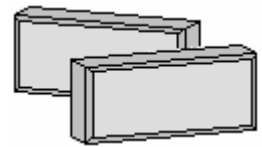
Test Results – Stain Repellency

“Coral”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	<1%	<1%	100%	70%	100%	<1%	<1%	100%
4 hour	100%	100%	95%	100%	90%	100%	<1%	<1%	100%
1 hour	100%	100%	95%	100%	100%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
Stand Off® SLX100 Water & Oil Repellent									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	95%	100%	100%	90%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	90%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
Consolideck® DuraSheen									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%

***Indicates etching occurred due to the acidic nature of the staining agents.**



PALLET TAG PROGRAM LABORATORY REPORT



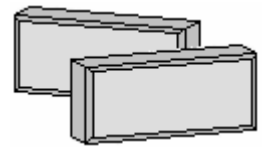
Test Results – Stain Repellency

“Harvest Gold”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	80%*	90%	90%*	100%	<1%	<1%	100%
4 hour	100%	100%*	80%*	90%	90%*	100%	<1%	<1%	100%
1 hour	100%	100%*	100%*	100%	100%*	100%	<1%	<1%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	<1%	<1%	100%
Stand Off® SLX100 Water & Oil Repellent									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
4 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
4 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
Consolideck® DuraSheen									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%

***Indicates etching occurred due to the acidic nature of the staining agents.**



PALLET TAG PROGRAM LABORATORY REPORT



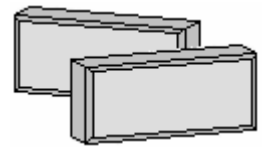
Test Results – Stain Repellency

“Natural”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	<1%*	70%	80%*	80%	<1%	<1%	100%
4 hour	100%	100%*	100%*	70%	90%*	80%	<1%	<1%	100%
1 hour	100%	100%*	100%*	75%	100%*	100%	<1%	<1%	100%
10 min.	100%	100%*	100%*	90%	100%*	100%	<1%	<1%	100%
Stand Off® SLX100 Water & Oil Repellent									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	95%	95%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	90%	90%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
Consolideck® DuraSheen									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%

***Indicates etching occurred due to the acidic nature of the staining agents.**



PALLET TAG PROGRAM LABORATORY REPORT



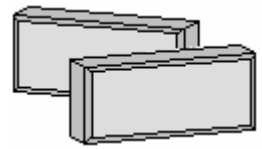
Test Results – Stain Repellency

“Slate”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	<1%	<1%	90%	70%	90%	<1%	<1%	100%
4 hour	100%	100%	90%	90%	90%	100%	<1%	<1%	100%
1 hour	100%	100%	90%	90%	90%	100%	<1%	<1%	100%
10 min.	100%	100%	90%	100%	100%	100%	<1%	<1%	100%
Stand Off® SLX100 Water & Oil Repellent									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
Consolideck® DuraSheen									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%

***Indicates etching occurred due to the acidic nature of the staining agents.**

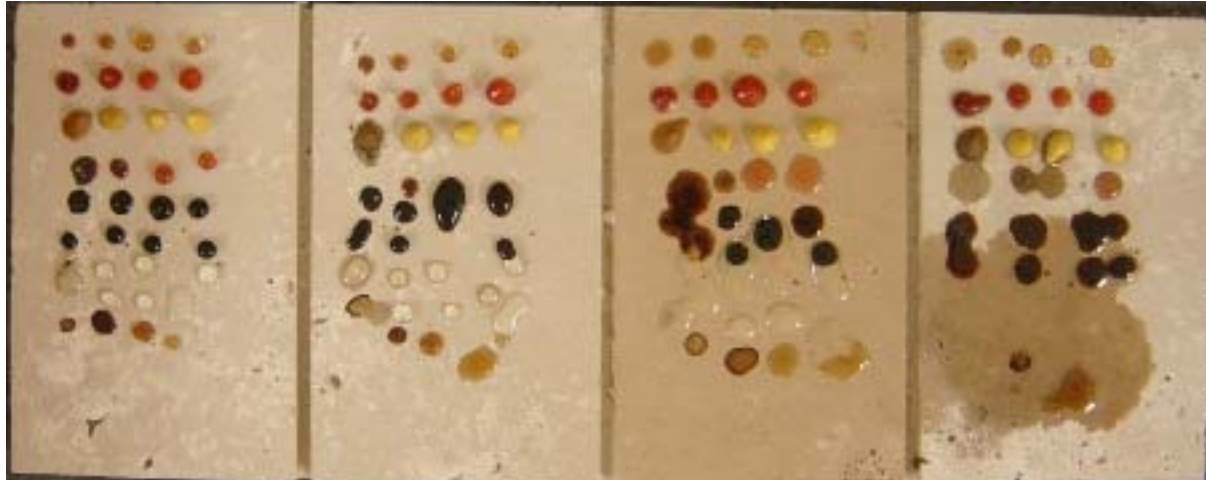


PALLET TAG PROGRAM LABORATORY REPORT



Photographs – Stain Repellency

“Buff”; Stains Applied



Stand Off[®] SLX100
Water & Oil
Repellent

Stand Off[®]
Impregnator

Consolideck[®]
DuraSheen

Untreated
Control

“Buff”; Stains Removed



Stand Off[®] SLX100
Water & Oil
Repellent

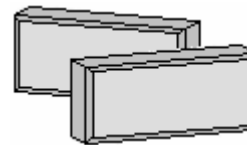
Stand Off[®]
Impregnator

Consolideck[®]
DuraSheen

Untreated
Control



PALLET TAG PROGRAM LABORATORY REPORT



Conclusions – Stain Repellency

Based upon laboratory evaluations, Stand Off® SLX100 Water & Oil Repellent and Stand Off® Impregnator improved the surface beading of the samples. All treatments evaluated were effective in improving the samples' resistance to the applied stains. Consolideck® DuraSheen provided a significant color enhancement to the submitted samples. Neither Stand Off® SLX100 Water & Oil Repellent nor Stand Off® Impregnator caused any change to the appearance of the submitted samples.

Recommendations – Stain Repellency

Recommendations for stain resistance treatment for the precast concrete submitted by Florida Precast Specialty Products, LLC, Bradenton, FL are provided in the chart below. Recommendations are based on the treatments that proved most effective for providing stain repellency on the submitted precast concrete.

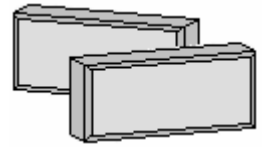
Sample	Stain Repellent	Maintenance Cleaner
All Submitted Precast Concrete	Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Impregnator OR Consolideck® DuraSheen	Enviro Klean® 2010 All Surface Cleaner (1:10)

The ability of a stain repellent treatment to prevent staining is affected by a variety of 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 stain 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 32

Color Enhancement

Description of Products Evaluated – Color Enhancement

Consolideck® DuraSheen – A non-yellowing curing and sealing compound. Tough and chemical resistant, DuraSheen is designed for horizontal concrete where a premium, vibrant gloss and shine are required. Easily applied DuraSheen quickly forms a hard, glossy, water- and dust-proof clear shield on concrete. It's long-lasting, slip-resistant, chemical resistant, waterproof, and dust proof. DuraSheen is ideal for concrete new or old. It makes an excellent base coat for paints or tile and carpet adhesives, meeting the requirements of the Resilient Tile Institute and the tile adhesion test requirements of ASTM C 1315.

Sample Preparation – Color Enhancement

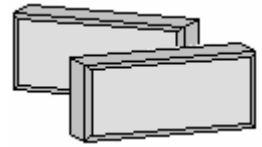
Samples were cleaned with Enviro Klean® 2010 All Surface Cleaner diluted with 10 parts water, allowed to dry and absorb atmospheric moisture for 24 hours prior to treatment.

Test Method – Color Enhancement

Consolideck® DuraSheen was applied by brush and allowed to cure for 7 days in accordance with the application instructions in the PROSOCO, Inc. Product Data Sheet.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 33

Test Results – Color Enhancement

Sample	Consolideck® DuraSheen
"Buff"	3
"Coral"	3
"Harvest Gold"	3
"Natural"	3
"Slate"	3

Scale: 0- No enhancement; dull

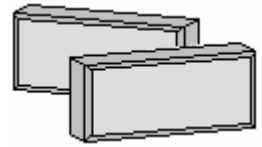
1- Slight Enhancement

2- Moderate Enhancement

3- Significant Enhancement



PALLET TAG PROGRAM LABORATORY REPORT

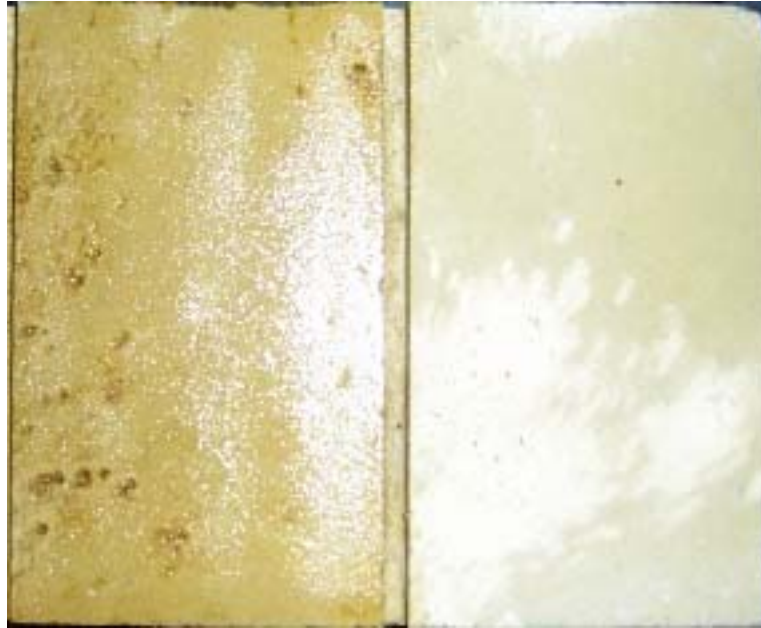


PROSOCO, Inc.

Page 34

Photographs – Color Enhancement

“Harvest Gold”; Color Enhancement Treatment Applied

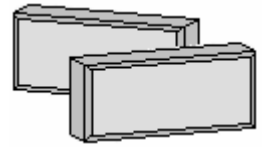


Consolideck® DuraSheen

Untreated Control



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 35

Recommendations – Color Enhancement

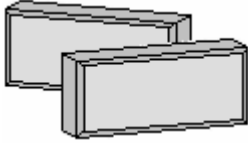
Recommendations for color enhancement for the precast concrete submitted by Florida Precast Specialty Products, LLC, Bradenton, FL are provided in the chart below. Recommendations are based on the treatment that proved most effective in providing color enhancement to the submitted samples.

Sample	Color Enhancement
All Submitted Precast Concrete	Consolideck® DuraSheen

Apply all products in accordance with the manufacturer's recommendation provided on container labels and product data sheets. On-site testing should be conducted to determine the most appropriate product and procedures for a particular project. See product literature for additional application and product information.

Christopher A. Moore
Project Testing Laboratory Technician

CAM



Laboratory Report

Pallet Tag Program Evaluation

**Florida Precast Specialty Products, LLC
Bradenton, FL**

Project No. 0506-27 PTP

Prepared For:

**Florida Precast Specialty Products, LLC
4597 15th Street East
Bradenton, FL 34203**

Prepared By:



***PROSOCO, Inc.
July 2005***