



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

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ATTACHMENTS



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Technical Services TECH Note RILEM Tube Test Procedures

Product Data literature for all products evaluated

FOR: Mark O' Keefe

cc: Paul Tessier

SUBJECT: Stepstone Inc.
Gardena, CA

DATE: January 24, 2005

PROJECT: 0411-12 PTP

- SAMPLES SUBMITTED:**
- A. 2 types of dual-finish pre-cast Pavers (half "Classic Finish" and half "Cal. Arch. Finish")
 - B. 4 types of "Sonora Stone" pre-cast Pavers
 - C. 8 types of pre-cast concrete stairtreads
 - D. 9 types of pre-cast concrete wall caps

Sample	Color	Size
"French Gray - Classic/Cal. Arch. Finish" Paver	Gray	24" x 24" x 2"
"Granada White - Classic/Cal. Arch. Finish" Paver	White	
"Desert Sonora Stone" Paver	Orange	24" x 24" x 2"
"Flint Sonora Stone" Paver	Gray	
"Terra Sonora Stone" Paver	Red	
"Wheat Sonora Stone" Paver	Tan	
"Almond" Stairtread	Orange	12" x 36" x 2 1/2"
"Café Brown" Stairtread	Dark Brown	
"Caramel" Stairtread	Brown	
"Espresso" Stairtread	White	
"French Gray" Stairtread	Light Red	
"Granada White" Stairtread	Tan	
"Malibu" Stairtread	Orange	
"Santa Fe Buff" Stairtread	Gray	
"Almond" Wall Cap	Orange	
"Café Brown" Wall Cap	Dark Brown	
"Caramel" Wall Cap	Brown	
"Espresso" Wall Cap	White	
"French Gray" Wall Cap	Light Red	
"Granada White" Wall Cap	Tan	
"Malibu" Wall Cap	Orange	
"Santa Fe Buff" Wall Cap	Gray	
"Sunset Rose" Wall Cap	Red	

Submitted by: Mark O'Keefe



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PURPOSE OF TESTING:

Two types of dual-finish pre-cast Pavers (half "Classic Finish" and half "Cal. Arch. Finish"), four types of "Sonora Stone" pre-cast Pavers, eight types of pre-cast concrete stairtreads, and nine types of pre-cast concrete wall caps were submitted for testing using PROSOCO, Inc.'s new construction cleaning products, water repellents, stain repellents and color enhancement products.

A. New Construction Cleaning – Sure Klean[®] Burnished Custom Masonry Cleaner and Enviro Klean[®] Safety Klean were evaluated at various dilutions for removal of laboratory-applied mortar from the submitted samples.

To simulate new construction soiling, samples are placed on a bench with finished surface facing upward. Hollow cylinders measuring 50 mm in diameter and 75 mm tall are positioned on top of each sample and filled with a wet mixture of Ash Grove[®] Type S mortar. The wet, mortar-filled cylinder is allowed to remain in contact with the sample for 10 minutes before removal.

Heavy deposits of mortar are removed with dry scraping after 24 hours. Prepared cleaning solutions are then evaluated for their effectiveness in removing residual Ash Grove[®] Type S mortar staining after 3, 7 and 14 days of curing.

B. Limiting Surface Alterations – Sure Klean[®] Burnished Custom Masonry Cleaner and Enviro Klean[®] Safety Klean were tested at various dilutions to determine if a cleaning program implemented to remove excess mortar, and related new construction soiling would otherwise alter the appearance of cleaned surfaces. Surface alterations were evaluated visually based upon perceived discoloration or erosion/etching of the sample.

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.

C. Protective Water Repellents – Consolideck[®] Saltguard[®] WB, Sure Klean[®] Weather Seal SL100 Water Repellent and Stand Off[®] SLX100 Water & Oil Repellent were evaluated for their ability to provide water repellency to the submitted samples.

D. Stain Repellency – Stand Off[®] Stone, Tile & Masonry Protector (STMP), Stand Off[®] SLX100 Water & Oil Repellent, and Stand Off[®] Stain Barrier were evaluated for their ability to provide stain repellency to the submitted samples.

E. Color Enhancement – ConcreteScience[®] SpecSeal WB-Flat was evaluated for its ability to provide color enhancement to the submitted samples.



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PRODUCTS EVALUATED

CLEANING AND LIMITING SURFACE ALTERATIONS

SAMPLE	PRODUCT	DILUTION
All Submitted Samples	Sure Klean® Burnished Custom Masonry Cleaner	1:2, 1:3
	Enviro Klean® Safety Klean	1:2, 1:3

WATER REPELLENCY

SAMPLE	PRODUCT	DILUTION
All Submitted Samples	Consolideck® Saltguard® WB	Concentrate
	Sure Klean® Weather Seal SL100 Water Repellent	Concentrate
	Stand Off® SLX100 Water & Oil Repellent	Concentrate

STAIN REPELLENCY

SAMPLE	PRODUCT	DILUTION
All Submitted Samples	Stand Off® Stone, Tile & Masonry Protector (STMP)	Concentrate
	Stand Off® SLX100 Water & Oil Repellent	Concentrate
	Stand Off® Stain Barrier	Concentrate

COLOR ENHANCEMENT

SAMPLE	PRODUCT	DILUTION
All Submitted Samples	ConcreteScience® SpecSeal WB-Flat	Concentrate

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



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SECTION A – NEW CONSTRUCTION CLEANING

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

The Ash Grove® Type S mortar was prepared in compliance with the manufacturers instructions, applied to the samples and allowed to cure for 3, 7 and 14 days. The removal of mortar was visually evaluated after 3, 7 and 14 days.

DESCRIPTION OF PRODUCTS EVALUATED – New Construction Cleaning

Sure Klean® Burnished Custom Masonry 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.

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

Burnished Custom Masonry Cleaner	3-5 minutes
Safety Klean	3-5 minutes
4. Rinse thoroughly*.

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



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TEST RESULTS – New Construction Cleaning

% Removal Type S Mortar

“French Gray – Classic Finish” Paver				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	99%	90%	95%
Burnished Custom Masonry Cleaner	1:3	95%	90%	90%
Safety Klean	1:2	100%	95%	95%
Safety Klean	1:3	95%	95%	95%
“French Gray – Cal. Arch Finish” Paver				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	95%
Burnished Custom Masonry Cleaner	1:3	100%	100%	90%
Safety Klean	1:2	100%	100%	95%
Safety Klean	1:3	100%	100%	95%
“Granada White – Classic Finish” Paver				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Granada White – Cal. Arch Finish” Paver				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Desert Sonora Stone” Paver				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Flint Sonora Stone” Paver				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	95%	95%
Burnished Custom Masonry Cleaner	1:3	95%	90%	90%
Safety Klean	1:2	100%	95%	95%
Safety Klean	1:3	95%	95%	95%



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TEST RESULTS – New Construction Cleaning

% Removal Type S Mortar

“Terra Sonora Stone” Paver				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	90%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Wheat Sonora Stone” Paver				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Almond” Stairtread				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	95%
Burnished Custom Masonry Cleaner	1:3	95%	90%	90%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Café Brown” Stairtread				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	95%	95%	95%
Burnished Custom Masonry Cleaner	1:3	90%	90%	85%
Safety Klean	1:2	95%	95%	95%
Safety Klean	1:3	95%	95%	95%
“Caramel” Stairtread				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	95%
Burnished Custom Masonry Cleaner	1:3	100%	95%	95%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Espresso” Stairtread				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	90%	90%	90%
Burnished Custom Masonry Cleaner	1:3	90%	90%	85%
Safety Klean	1:2	100%	95%	95%
Safety Klean	1:3	100%	95%	95%



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TEST RESULTS – New Construction Cleaning

% Removal Type S Mortar

“French Gray” Stairtread				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	99%	95%	95%
Burnished Custom Masonry Cleaner	1:3	90%	95%	95%
Safety Klean	1:2	95%	90%	95%
Safety Klean	1:3	95%	95%	90%
“Granada White” Stairtread				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	95%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Malibu” Stairtread				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	90%	90%	90%
Burnished Custom Masonry Cleaner	1:3	90%	90%	90%
Safety Klean	1:2	100%	95%	95%
Safety Klean	1:3	100%	95%	95%
“Santa Fe Buff” Stairtread				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	95%	95%
Burnished Custom Masonry Cleaner	1:3	95%	95%	95%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Almond” Wall Cap				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	95%
Burnished Custom Masonry Cleaner	1:3	100%	95%	95%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Café Brown” Wall Cap				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	95%	95%	95%
Burnished Custom Masonry Cleaner	1:3	95%	90%	95%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%



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TEST RESULTS – New Construction Cleaning

% Removal Type S Mortar

“Caramel” Wall Cap				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Espresso” Wall Cap				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“French Gray” Wall Cap				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Granada White” Wall Cap				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Malibu” Wall Cap				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	95%	95%	95%
Burnished Custom Masonry Cleaner	1:3	95%	90%	95%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Santa Fe Buff” Wall Cap				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%



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TEST RESULTS – New Construction Cleaning

% Removal Type S Mortar

“Sunset Rose” Wall Cap				
Product	Dilution	3 day	7 day	14 day
Burnished Custom Masonry Cleaner	1:2	100%	100%	100%
Burnished Custom Masonry Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%



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PHOTOGRAPHS- New Construction Cleaning

“Terra Sonora Stone” Paver; 3 day Cleaning



“Terra Sonora Stone” Paver; 7 day Cleaning





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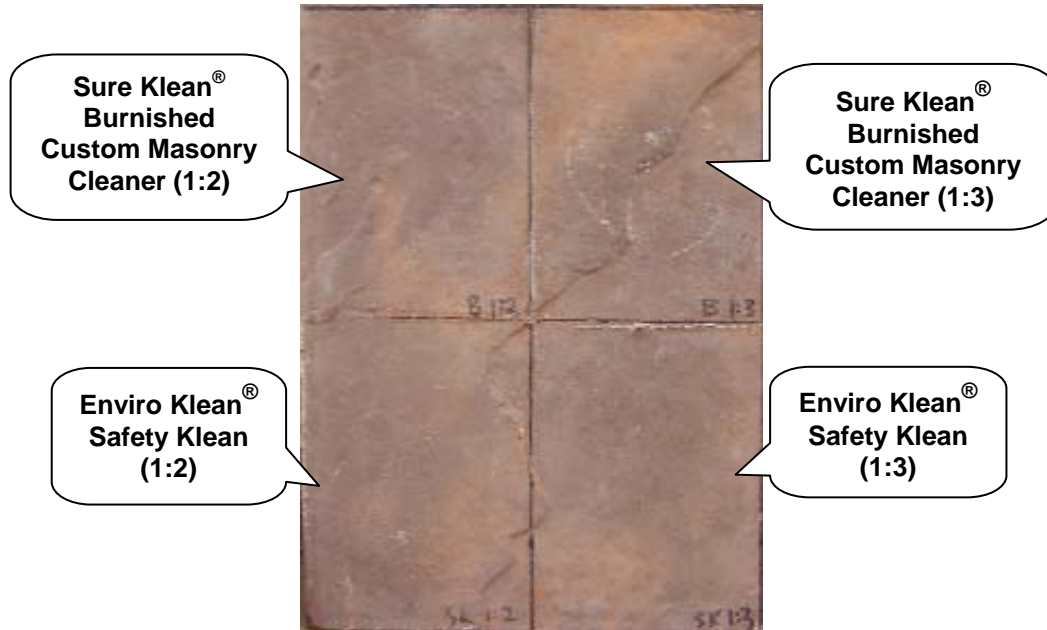


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PHOTOGRAPHS- New Construction Cleaning

"Terra Sonora Stone" Paver; 14 day Cleaning





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PHOTOGRAPHS- New Construction Cleaning

“Malibu” Stairtread; 3 day Cleaning



“Malibu” Stairtread; 7 day Cleaning





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PHOTOGRAPHS- New Construction Cleaning

"Malibu" Stairtread; 14 day Cleaning





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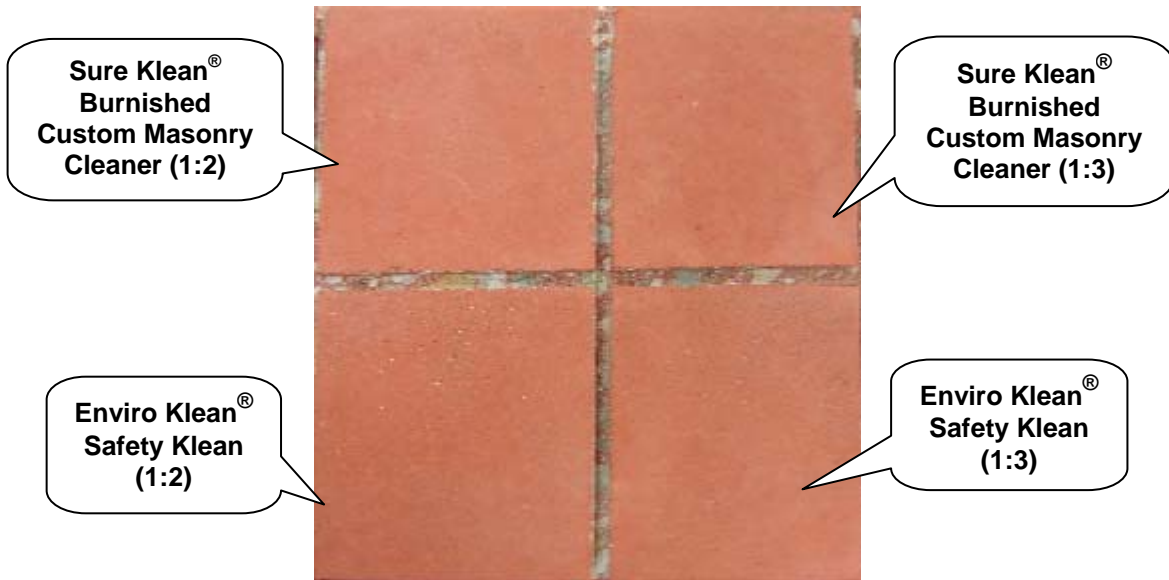


PHOTOGRAPHS- New Construction Cleaning

“Sunset Rose” Wall Cap; 3 day Cleaning



“Sunset Rose” Wall Cap; 7 day Cleaning





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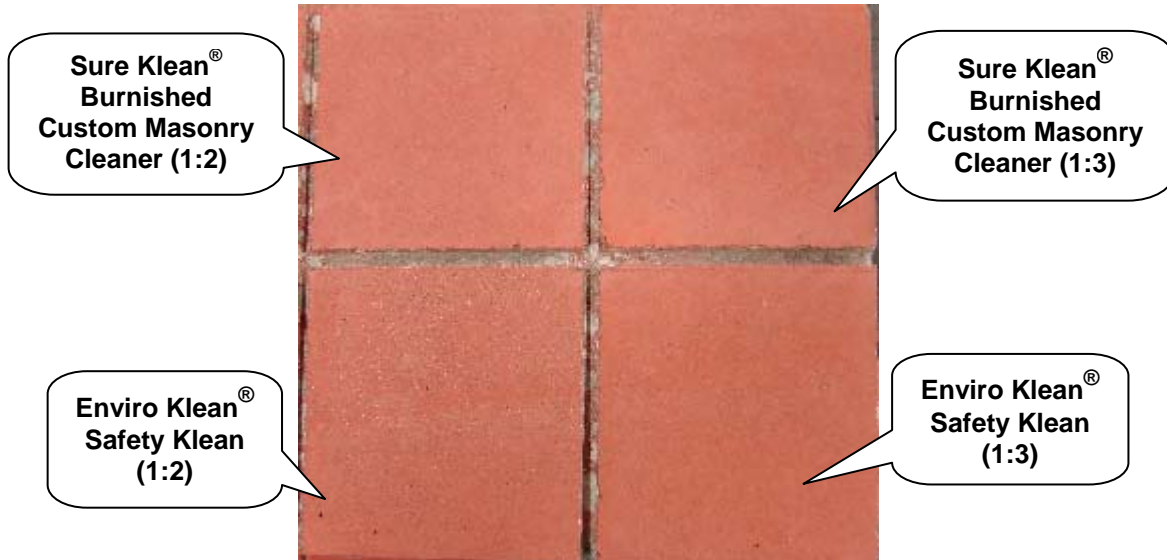


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PHOTOGRAPHS- New Construction Cleaning

"Sunset Rose" Wall Cap; 14 day Cleaning





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CONCLUSIONS – New Construction Cleaning

Based on the test results, all dilutions of Sure Klean® Burnished Custom Masonry Cleaner and Enviro Klean® Safety Klean tested performed well in removing excess mortar smears from the submitted samples. The cleaners performed well in removing the mortar even after allowing the mortar to remain on the surface of the samples for 14 days under ideal curing conditions.

***NOTE:** Both cleaners in both dilutions tested caused a slight to moderate color change on the surface of the samples. It is recommended that job-site testing be performed in an inconspicuous area before attempting overall cleaning to determine if the color change is acceptable.

It is recommended that the selected cleaners always be used in the lowest possible concentration. To facilitate easier removal of excess mortar and construction dirt while minimizing any potential surface alterations to the samples, clean within 3 days of construction.

RECOMMENDATIONS – New Construction Cleaning

Recommendations for cleaning for the samples submitted by Stepstone Inc., Gardena, CA, are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar.

Sample	New Construction Cleaning (Type S Mortar, 14 day cleaning)
All Submitted Samples	*Sure Klean® Burnished Custom Masonry Cleaner (1:2) OR (1:3) OR *Enviro Klean® Safety Klean (1:2) OR (1:3) (see note in Conclusions section above)

The most appropriate cleaner and dilution should be determined on the specific job-site, and will be dependent primarily on the nature and severity of soiling present at that location. Pressure rinsing equipment providing at least 400 psi at 4-6 gpm delivered through a 15-40 degree fan spray often produces best cleaning 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 cleaning product and procedures for a particular project. See product literature for additional application and product information.



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SECTION B – LIMITING SURFACE ALTERATIONS

DESCRIPTION OF PRODUCTS EVALUATED – Limiting Surface Alterations

Sure Klean® Burnished Custom Masonry 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.

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 – Limiting Surface Alterations:

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

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

Burnished Custom Masonry Cleaner	3-5 minutes
Safety Klean.....	3-5 minutes
4. Pressure rinse thoroughly. *

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



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TEST RESULTS – Limiting Surface Alterations

Substrate: Paver		Pigment Color: "French Gray – Classic Finish"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	0	0
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	0	0
Enviro Klean® Safety Klean	1:2	2	0	0	0
Enviro Klean® Safety Klean	1:3	2	0	0	0
Substrate: Paver		Pigment Color: "French Gray – Cal. Arch. Finish"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	1	0
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	1	0
Enviro Klean® Safety Klean	1:2	1	0	1	0
Enviro Klean® Safety Klean	1:3	1	0	1	0
Substrate: Paver		Pigment Color: "Granada White – Classic Finish"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Burnished Custom Masonry Cleaner	1:2	0	0	0	0
Sure Klean® Burnished Custom Masonry Cleaner	1:3	0	0	0	0
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
Substrate: Paver		Pigment Color: "Granada White – Cal. Arch. Finish"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	0	0
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	0	0
Enviro Klean® Safety Klean	1:2	1	0	0	0
Enviro Klean® Safety Klean	1:3	1	0	0	0
Substrate: Paver		Pigment Color: "Desert Sonora Stone"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Burnished Custom Masonry Cleaner	1:2	2	0	0	0
Sure Klean® Burnished Custom Masonry Cleaner	1:3	2	0	0	0
Enviro Klean® Safety Klean	1:2	2	0	0	0
Enviro Klean® Safety Klean	1:3	2	0	0	0

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



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TEST RESULTS – Limiting Surface Alterations

Substrate: Paver		Pigment Color: "Flint Sonora Stone"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Burnished Custom Masonry Cleaner	1:2	2	0	0	0
Sure Klean® Burnished Custom Masonry Cleaner	1:3	2	0	0	0
Enviro Klean® Safety Klean	1:2	2	0	0	0
Enviro Klean® Safety Klean	1:3	2	0	0	0
Substrate: Paver		Pigment Color: "Terra Sonora Stone"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Burnished Custom Masonry Cleaner	1:2	2	0	0	0
Sure Klean® Burnished Custom Masonry Cleaner	1:3	2	0	0	0
Enviro Klean® Safety Klean	1:2	2	0	0	0
Enviro Klean® Safety Klean	1:3	2	0	0	0
Substrate: Paver		Pigment Color: "Wheat Sonora Stone"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	0	0
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	0	0
Enviro Klean® Safety Klean	1:2	1	0	0	0
Enviro Klean® Safety Klean	1:3	1	0	0	0
Substrate: Stairtread		Pigment Color: "Almond"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Burnished Custom Masonry Cleaner	1:2	2	0	2	0
Sure Klean® Burnished Custom Masonry Cleaner	1:3	2	0	2	0
Enviro Klean® Safety Klean	1:2	2	0	2	0
Enviro Klean® Safety Klean	1:3	2	0	2	0
Substrate: Stairtread		Pigment Color: "Café Brown"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	1	0
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	1	0
Enviro Klean® Safety Klean	1:2	2	0	1	0
Enviro Klean® Safety Klean	1:3	2	0	1	0

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – Limiting Surface Alterations

Substrate: Stairtread		Pigment Color: "Caramel"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	2	0	1	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	1	0	
Enviro Klean® Safety Klean	1:2	2	0	1	0	
Enviro Klean® Safety Klean	1:3	2	0	1	0	
Substrate: Stairtread		Pigment Color: "Espresso"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	1	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	1	0	
Enviro Klean® Safety Klean	1:2	2	0	1	0	
Enviro Klean® Safety Klean	1:3	2	0	1	0	
Substrate: Stairtread		Pigment Color: "French Gray"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	1	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	1	0	
Enviro Klean® Safety Klean	1:2	2	0	1	0	
Enviro Klean® Safety Klean	1:3	2	0	1	0	
Substrate: Stairtread		Pigment Color: "Granada White"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	1	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	1	0	
Enviro Klean® Safety Klean	1:2	2	0	1	0	
Enviro Klean® Safety Klean	1:3	2	0	1	0	
Substrate: Stairtread		Pigment Color: "Malibu"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	2	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	2	0	
Enviro Klean® Safety Klean	1:2	2	0	2	0	
Enviro Klean® Safety Klean	1:3	2	0	2	0	

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – Limiting Surface Alterations

Substrate: Stairtread		Pigment Color: "Santa Fe Buff"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	1	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	1	0	
Enviro Klean® Safety Klean	1:2	2	0	2	0	
Enviro Klean® Safety Klean	1:3	2	0	2	0	
Substrate: Wall Cap		Pigment Color: "Almond"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	1	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	1	0	
Enviro Klean® Safety Klean	1:2	2	0	1	0	
Enviro Klean® Safety Klean	1:3	2	0	1	0	
Substrate: Wall Cap		Pigment Color: "Café Brown"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	2	0	2	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	2	0	2	0	
Enviro Klean® Safety Klean	1:2	2	0	2	0	
Enviro Klean® Safety Klean	1:3	2	0	2	0	
Substrate: Wall Cap		Pigment Color: "Caramel"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	2	0	1	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	2	0	1	0	
Enviro Klean® Safety Klean	1:2	2	0	1	0	
Enviro Klean® Safety Klean	1:3	2	0	1	0	
Substrate: Wall Cap		Pigment Color: "Espresso"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	2	0	2	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	2	0	2	0	
Enviro Klean® Safety Klean	1:2	2	0	2	0	
Enviro Klean® Safety Klean	1:3	2	0	2	0	

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – Limiting Surface Alterations

Substrate: Wall Cap		Pigment Color: "French Gray"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	0	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	0	0	
Enviro Klean® Safety Klean	1:2	2	0	0	0	
Enviro Klean® Safety Klean	1:3	2	0	0	0	
Substrate: Wall Cap		Pigment Color: "Granada White"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	0	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	0	0	
Enviro Klean® Safety Klean	1:2	2	0	0	0	
Enviro Klean® Safety Klean	1:3	2	0	0	0	
Substrate: Wall Cap		Pigment Color: "Malibu"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	1	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	1	0	
Enviro Klean® Safety Klean	1:2	2	0	1	0	
Enviro Klean® Safety Klean	1:3	2	0	1	0	
Substrate: Wall Cap		Pigment Color: "Santa Fe Buff"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	1	0	1	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	1	0	1	0	
Enviro Klean® Safety Klean	1:2	2	0	1	0	
Enviro Klean® Safety Klean	1:3	2	0	1	0	
Substrate: Wall Cap		Pigment Color: "Sunset Rose"				
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean® Burnished Custom Masonry Cleaner	1:2	2	0	2	0	
Sure Klean® Burnished Custom Masonry Cleaner	1:3	2	0	2	0	
Enviro Klean® Safety Klean	1:2	2	0	2	0	
Enviro Klean® Safety Klean	1:3	2	0	2	0	

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



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PHOTOGRAPHS – Limiting Surface Alterations

“Terra Sonora Stone” Paver



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

**Sure Klean® Burnished
Custom Masonry
Cleaner (1:3)**

Untreated Control



**Enviro Klean®
Safety Klean (1:2)**

**Enviro Klean®
Safety Klean (1:3)**

Untreated Control



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PHOTOGRAPHS – Limiting Surface Alterations

“Malibu” Stairtread



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

Sure Klean® Burnished
Custom Masonry
Cleaner (1:3)

Untreated Control



Enviro Klean®
Safety Klean (1:2)

Enviro Klean®
Safety Klean (1:3)

Untreated Control



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PHOTOGRAPHS – Limiting Surface Alterations

“Sunset Rose” Wall Cap



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

**Sure Klean® Burnished
Custom Masonry
Cleaner (1:3)**

Untreated Control



**Enviro Klean®
Safety Klean (1:2)**

**Enviro Klean®
Safety Klean (1:3)**

Untreated Control



PALLET TAG PROGRAM LABORATORY REPORT



CONCLUSIONS – Limiting Surface Alterations

***NOTE:** Test results indicate that all dilutions of Sure Klean® Burnished Custom Masonry Cleaner and Enviro Klean® Safety Klean tested caused slight to moderate color change on most of the submitted samples. Therefore, it is recommended that job-site testing be performed in an inconspicuous area before attempting overall cleaning to determine if the color change is acceptable.

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 3 days of construction.

RECOMMENDED PRODUCTS AND DILUTIONS – Limiting Surface Alterations

Product recommendations for limiting surface alterations to the samples submitted by Stepstone, Inc., Gardena, CA, are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar while limiting surface alterations.

Sample	Limiting Surface Alterations
All Submitted Samples	*Sure Klean® Burnished Custom Masonry Cleaner (1:2) OR (1:3) OR *Enviro Klean® Safety Klean (1:2) OR (1:3) (see note in Conclusions section above)

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 3 days of construction. Rinsing with high-pressure spray (400-800 psi) is recommended.

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



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SECTION C - PROTECTIVE WATER REPELLENTS:

The testing described below evaluates the suitability of water repellent treatments. The surface treatments evaluated were selected for their suitability for application based on the following selection criteria:

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

DESCRIPTIONS OF PRODUCTS EVALUATED - Protective Water Repellents:

Consolideck® Saltguard® WB – A ready-to-use water-based, VOC compliant silane/siloxane water repellent and “chloride screen” for the protection of concrete and masonry surfaces. Saltguard® WB penetrates more deeply than conventional water- or solvent-based water repellents. Low odor and alkaline stable, Saltguard® WB is ideal for field or in-plant application to concrete and most masonry surfaces. Saltguard® WB protects horizontal and vertical surfaces from moisture intrusion and chemical attack of chloride salts.

Sure Klean® Weather Seal SL100 Water Repellent – A modified, “neat” silane system that offers invisible protection and low volatility. SL100 protects horizontal and vertical concrete and masonry surfaces against water and waterborne contaminants. The small molecular structure of SL100 ensures maximum penetration and colorless protection of dense, color-sensitive surfaces. Ideal for GRFC, integrally colored pre-cast concrete and many types of natural stone.

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.

SAMPLE PREPARATION - Protective Water Repellents:

The submitted samples were scored, allowed to dry, and to reabsorb atmospheric humidity for 24 hours prior to treatment. The treatment method consisted of a single, saturating brush application. All treatments were allowed to cure at least 14 days prior to testing.



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TEST METHODS - Protective Water Repellents:

Water Absorption Tube Test: Horizontal 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 103 mph dynamic wind pressure. See RILEM II.4 Tech Note for additional information.

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

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

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

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

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

A rating of **AA** *Above Average* water repellent performance would require loss of no more than $5 \text{ ml} \times 20\% = 1 \text{ ml}$.

A rating of **A** *Average* water repellent performance would require loss of no more than $5 \text{ ml} \times 50\% = 2.5 \text{ ml}$.

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



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TEST RESULTS - Protective Water Repellents:

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

AA = Above Average

A = Average

BA = Below Average

"French Gray - Classic Finish" Paver	Results in mL loss	Ranking
Untreated Control	-0.1	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"French Gray - Cal. Arch. Finish" Paver	Results in mL loss	Ranking
Untreated Control	-0.1	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Granada White - Classic Finish" Paver	Results in mL loss	Ranking
Untreated Control	-0.1	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Granada White - Cal. Arch. Finish" Paver	Results in mL loss	Ranking
Untreated Control	-0.1	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Desert Sonora Stone" Paver	Results in mL loss	Ranking
Untreated Control	-0.6	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Flint Sonora Stone" Paver	Results in mL loss	Ranking
Untreated Control	-0.7	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Terra Sonora Stone" Paver	Results in mL loss	Ranking
Untreated Control	-0.1	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>



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TEST RESULTS - Protective Water Repellents:

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

AA = Above Average

A = Average

BA = Below Average

"Wheat Sonora Stone" Paver	Results in mL loss	Ranking
Untreated Control	-0.1	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Almond" Stairtread	Results in mL loss	Ranking
Untreated Control	-0.3	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Café Brown" Stairtread	Results in mL loss	Ranking
Untreated Control	-0.2	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Caramel" Stairtread	Results in mL loss	Ranking
Untreated Control	-0.2	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Espresso" Stairtread	Results in mL loss	Ranking
Untreated Control	-0.2	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"French Gray" Stairtread	Results in mL loss	Ranking
Untreated Control	-0.2	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Granada White" Stairtread	Results in mL loss	Ranking
Untreated Control	-0.1	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>



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TEST RESULTS - Protective Water Repellents:

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

AA = Above Average

A = Average

BA = Below Average

"Malibu" Stairtread	Results in mL loss	Ranking
Untreated Control	-0.2	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Santa Fe Buff" Stairtread	Results in mL loss	Ranking
Untreated Control	-0.3	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Almond" Wall Cap	Results in mL loss	Ranking
Untreated Control	-0.0	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Café Brown" Wall Cap	Results in mL loss	Ranking
Untreated Control	-0.1	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Caramel" Wall Cap	Results in mL loss	Ranking
Untreated Control	-0.0	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Espresso" Wall Cap	Results in mL loss	Ranking
Untreated Control	-0.3	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"French Gray" Wall Cap	Results in mL loss	Ranking
Untreated Control	-0.0	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>



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TEST RESULTS - Protective Water Repellents:

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

AA = Above Average

A = Average

BA = Below Average

"Granada White" Wall Cap	Results in mL loss	Ranking
Untreated Control	-0.2	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Malibu" Wall Cap	Results in mL loss	Ranking
Untreated Control	-0.0	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Santa Fe Buff" Wall Cap	Results in mL loss	Ranking
Untreated Control	-0.0	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Sunset Rose" Wall Cap	Results in mL loss	Ranking
Untreated Control	-0.0	--
Saltguard® WB	-0.0	<u>AA</u>
SL100 Water Repellent	-0.0	<u>AA</u>
SLX100 Water & Oil Repellent	-0.0	<u>AA</u>



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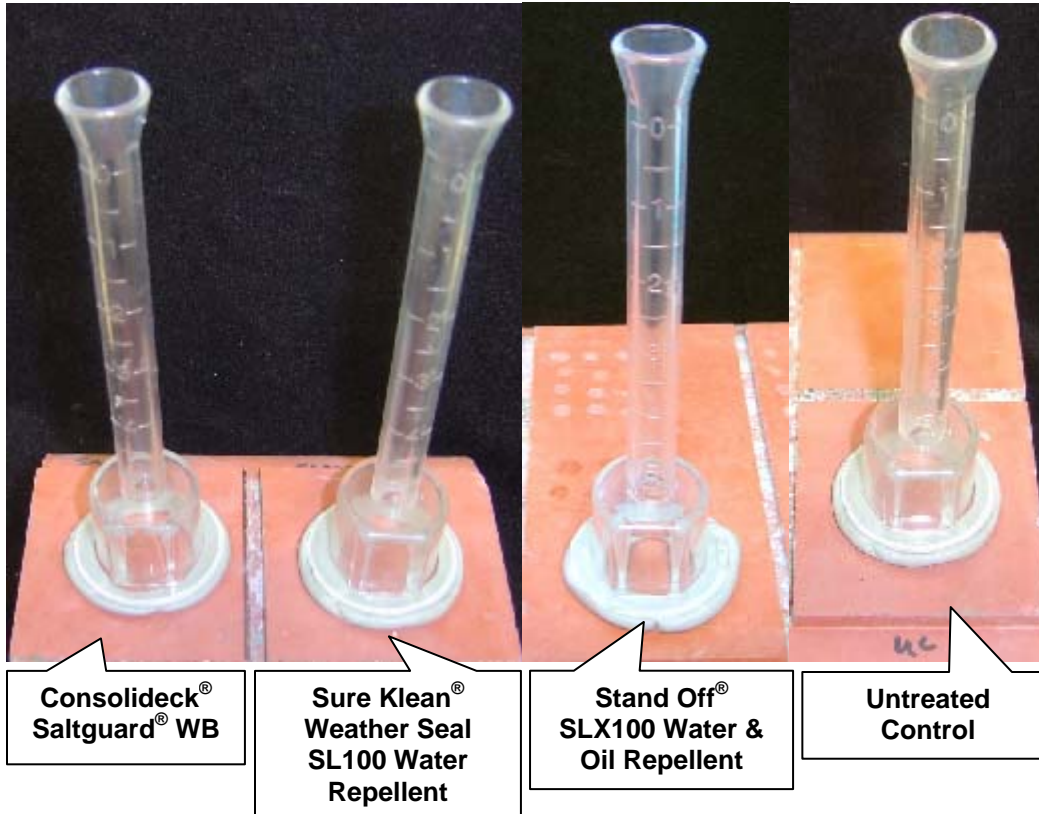


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PHOTOGRAPHS – Protective Water Repellents

“Sunset Rose” Wall Cap - RILEM testing





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CONCLUSIONS - Protective Water Repellents

Based upon laboratory evaluations, all of the tested PROSOCO products provided excellent water repellency to each of the submitted samples.

RECOMMENDATIONS – Protective Water Repellents

Recommendations for water repellency treatment for each sample submitted by Stepstone Inc., Gardena, CA, are provided in the chart below. Recommendations are based on the treatment that proved most effective and can provide water repellency on all types submitted.

Sample Type	Water Repellents
All Submitted Samples	Stand Off® SLX100 Water & Oil Repellent OR Sure Klean® Weather Seal SL100 Water Repellent OR Consolideck® Saltguard® WB

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.



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SECTION D – STAIN REPELLENCY

DESCRIPTION OF PRODUCTS EVALUATED

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

Stand Off[®] Stone, Tile & Masonry Protector (STMP) – A penetrating oil and stain repellent. Easy-to-use. Low-VOC, low-odor protective treatment improves the stain resistance and simplifies maintenance cleaning of interior and exterior stone, quarry tile, concrete and masonry surfaces.

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[®] Stain Barrier – A penetrating oil and stain repellent. This easy-to-use, low-VOC, low-odor protective treatment improves stain resistance and simplifies maintenance cleaning of interior and exterior stone, quarry tile, concrete and masonry surfaces. Surfaces treated with Stain Barrier resist staining from oil, food, and waterborne matter while retaining their natural color, texture, and breatheability. Stain Barrier’s Volatile Organic Compound (VOC) content is less than 400 g/L.

Kitchen Products Evaluated:

Coca Cola
Ketchup
Mustard
Red wine
Balsamic Vinegar
Soy Sauce
Olive Oil
Wesson Oil
Coffee

Temperature:

ambient (~70°F)
ambient (~70°F)
ambient (~70°F)
ambient (~70°F)
ambient (~70°F)
ambient (~70°F)
ambient (~70°F)
(~250°F)
(~120°F)

SAMPLE PREPARATION – Stain Repellency

The method of application for protective treatments followed the PROSOCO, Inc. 2004 Product Guide.



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TEST METHOD – Stain Repellency

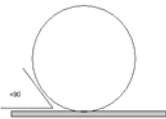
Surface Beading Evaluation

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 or liquid quickly absorbed into the substrate and correlates to “below average” repellency.

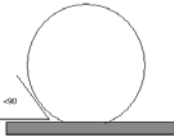
Note: Non-free flowing staining agents such as ketchup and mustard are applied in a blob and not evaluated for their beading properties.

Rating System (1-5)

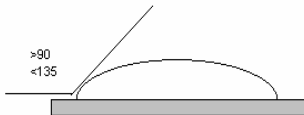
1. No wetting of contact area (no darkening); angle less than 90°



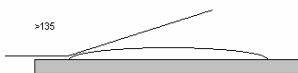
2. Wetting contained to the contact area (slight darkening); angle is less than 90°



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.



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



TEST RESULTS – Surface Beading

“French Gray - Classic Finish” Paver									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	3	3	3	5	5	4
STMP	3	-	-	3	3	3	2	2	3
SLX100	3	-	-	3	3	3	3	3	3
Stain Barrier	3	-	-	3	3	2	2	2	2
“French Gray - Cal. Arch. Finish” Paver									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	4	3	3	5	5	4
STMP	3	-	-	3	3	2	2	2	2
SLX100	3	-	-	2	2	2	2	2	2
Stain Barrier	3	-	-	2	2	2	2	2	2
“Granada White - Classic Finish” Paver									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	3	3	3	5	5	4
STMP	3	-	-	3	3	3	2	2	3
SLX100	3	-	-	3	3	3	3	3	3
Stain Barrier	3	-	-	3	3	2	2	2	2
“Granada White - Cal. Arch. Finish” Paver									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	4	3	3	5	5	4
STMP	3	-	-	3	3	2	2	2	2
SLX100	3	-	-	2	2	2	2	2	2
Stain Barrier	3	-	-	2	2	2	2	2	2
“Desert Sonora Stone” Paver									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	5	-	-	5	5	5	5	5	5
STMP	3	-	-	3	3	2	2	2	3
SLX100	3	-	-	3	3	3	2	2	3
Stain Barrier	3	-	-	3	3	2	2	2	2
“Flint Sonora Stone” Paver									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	5	-	-	5	5	5	5	5	5
STMP	3	-	-	3	3	2	2	2	3
SLX100	3	-	-	3	3	3	2	2	3
Stain Barrier	3	-	-	3	3	2	2	2	2



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – Surface Beading

“Terra Sonora Stone” Paver									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	4	4	4
STMP	3	-	-	3	3	2	2	2	3
SLX100	3	-	-	3	3	3	2	2	3
Stain Barrier	3	-	-	3	3	2	2	2	2
“Wheat Sonora Stone” Paver									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	4	4	4
STMP	3	-	-	3	3	2	2	2	3
SLX100	3	-	-	3	3	3	2	2	3
Stain Barrier	3	-	-	3	3	2	2	2	2
“Almond” Stairtread									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	3	2	2	2	2	2
SLX100	2	-	-	2	2	2	2	2	2
Stain Barrier	2	-	-	3	2	2	2	2	2
“Café Brown” Stairtread									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	3	2	2	2	2	2
SLX100	2	-	-	2	2	2	2	2	2
Stain Barrier	2	-	-	3	2	2	2	2	2
“Caramel” Stairtread									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	3	2	2	3	2	2
SLX100	2	-	-	2	2	2	3	3	2
Stain Barrier	2	-	-	3	2	2	2	2	2
“Espresso” Stairtread									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	3	2	2	3	3	3
SLX100	2	-	-	2	2	2	3	3	3
Stain Barrier	2	-	-	3	2	2	2	2	3



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – Surface Beading

"French Gray" Stairtread									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	3	2	2	3	3	2
SLX100	2	-	-	2	2	3	3	3	3
Stain Barrier	2	-	-	3	2	2	2	2	2
"Granada White" Stairtread									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	3	2	2	3	3	2
SLX100	2	-	-	2	2	3	3	3	3
Stain Barrier	2	-	-	3	2	2	2	2	2
"Malibu" Stairtread									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	3	2	2	3	3	2
SLX100	2	-	-	2	2	2	3	3	3
Stain Barrier	2	-	-	3	3	3	2	3	2
"Santa Fe Buff" Stairtread									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	3	2	2	3	3	2
SLX100	2	-	-	2	2	2	3	3	3
Stain Barrier	2	-	-	3	3	3	2	3	2
"Almond" Wall Cap									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	2	2	2	2	2	2
SLX100	2	-	-	2	2	2	2	2	2
Stain Barrier	2	-	-	3	2	2	2	2	2
"Café Brown" Wall Cap									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	2	2	2	2	2	2
SLX100	2	-	-	2	2	2	2	2	2
Stain Barrier	2	-	-	3	2	2	2	2	2



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – Surface Beading

“Caramel” Wall Cap									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	2	2	2	2	2	2
SLX100	2	-	-	2	2	2	2	2	2
Stain Barrier	2	-	-	3	2	2	2	2	2
“Espresso” Wall Cap									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	2	2	2	2	2	2
SLX100	2	-	-	2	2	2	2	2	2
Stain Barrier	2	-	-	3	2	2	2	2	2
“French Gray” Wall Cap									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	2	2	2	2	2	2
SLX100	2	-	-	2	2	2	2	2	2
Stain Barrier	2	-	-	3	2	2	2	2	2
“Granada White” Wall Cap									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	2	2	2	2	2	2
SLX100	2	-	-	2	2	2	2	2	2
Stain Barrier	2	-	-	3	2	2	2	2	2
“Malibu” Wall Cap									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	4
STMP	2	-	-	2	3	2	3	3	2
SLX100	2	-	-	3	2	2	3	3	2
Stain Barrier	2	-	-	3	3	2	2	2	2
“Santa Fe Buff” Wall Cap									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	2	2	2	3	3	2
SLX100	2	-	-	2	2	2	2	2	2
Stain Barrier	2	-	-	3	2	2	2	2	2



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

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TEST RESULTS – Surface Beading

"Sunset Rose" Wall Cap									
Treatment	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	2	-	-	2	2	2	3	3	2
SLX100	2	-	-	2	2	2	2	2	2
Stain Barrier	2	-	-	3	2	2	2	2	2



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“French Gray - Classic Finish” Paver									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	100%*	100%*	100%*	100%*	100%*	<1%	<1%	100%
4 hour	100%*	100%*	100%*	100%*	100%*	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® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	100%*	100%*	100%*	100%*	100%*	80%	90%	100%
4 hour	100%*	100%*	100%*	100%*	100%*	100%*	90%	95%	100%
1 hour	100%*	100%*	100%*	100%*	100%*	100%*	90%	99%	100%
10 min.	100%*	100%*	100%*	100%*	100%*	100%*	100%	100%	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%*	30%	30%	100%
4 hour	100%*	100%*	100%*	100%*	100%*	100%*	60%	60%	100%
1 hour	100%*	100%*	100%*	100%*	100%*	100%*	80%	80%	100%
10 min.	100%*	100%*	100%*	100%*	100%*	100%*	95%	95%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	100%*	100%*	100%*	100%*	100%*	80%	80%	100%
4 hour	100%*	100%*	100%*	100%*	100%*	100%*	80%	90%	100%
1 hour	100%*	100%*	100%*	100%*	100%*	100%*	80%	90%	100%
10 min.	100%*	100%*	100%*	100%*	100%*	100%*	95%	95%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

"French Gray - Cal. Arch. Finish" Paver									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%	100%*	100%*	<1%	<1%	100%
4 hour	100%	100%*	100%*	100%	100%*	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® Stone, Tile & Masonry Protector (STMP)									
	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® 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%*	30%	30%	100%
4 hour	100%*	100%*	100%*	100%*	100%*	100%*	60%	60%	100%
1 hour	100%*	100%*	100%*	100%*	100%*	100%*	80%	80%	100%
10 min.	100%*	100%*	100%*	100%*	100%*	100%*	95%	95%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	100%*	100%*	100%*	100%*	100%*	80%	80%	100%
4 hour	100%*	100%*	100%*	100%*	100%*	100%*	80%	80%	100%
1 hour	100%*	100%*	100%*	100%*	100%*	100%*	80%	80%	100%
10 min.	100%*	100%*	100%*	100%*	100%*	100%*	95%	95%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

"Granada White - Classic Finish" Paver									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	90%*	90%	80%*	90%*	<1%	<1%	80%
4 hour	100%	100%*	90%*	80%	90%*	95%*	<1%	<1%	90%
1 hour	100%	100%*	95%*	90%	90%*	95%*	<1%	<1%	100%
10 min.	100%	100%*	95%*	95%	95%*	100%*	<1%	<1%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	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%	95%
4 hour	100%	100%*	100%*	100%	100%*	100%	95%	95%	95%
1 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	95%
10 min.	100%	100%*	100%*	100%	100%*	100%	100%	100%	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%*	60%	60%	90%
4 hour	100%*	100%*	100%*	100%	100%*	100%*	90%	90%	100%
1 hour	100%*	100%*	100%*	100%	100%*	100%*	95%	95%	100%
10 min.	100%*	100%*	100%*	100%	100%*	100%*	100%	100%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	100%*	100%*	95%	100%*	100%*	80%	90%	90%
4 hour	100%*	100%*	100%*	95%	100%*	100%*	95%	90%	90%
1 hour	100%*	100%*	100%*	100%	100%*	100%*	95%	90%	90%
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 – STAINING REMOVAL

% Removal

“Granada White – Cal. Arch.” Paver									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%*	100%*	100%*	100%	<1%	<1%	80%
4 hour	100%	100%	100%*	100%*	100%*	100%	<1%	<1%	80%
1 hour	100%	100%	100%*	100%*	100%*	100%	<1%	<1%	80%
10 min.	100%	100%	100%*	100%*	100%*	100%	<1%	<1%	80%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	90%	100%	100%	85%	85%	90%
4 hour	100%	100%	100%	90%	100%	100%	95%	95%	90%
1 hour	100%	100%	100%	90%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	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%	90%	95%	95%	95%	40%	40%	80%
4 hour	100%	100%	100%	95%	95%	100%	40%	40%	90%
1 hour	100%	100%	100%	95%	95%	100%	80%	80%	90%
10 min.	100%	100%	100%	100%	100%	100%	90%	90%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	90%	100%	100%	80%	80%	80%
4 hour	100%	100%	100%	90%	100%	100%	90%	90%	80%
1 hour	100%	100%	100%	90%	100%	100%	95%	95%	80%
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 – STAINING REMOVAL

% Removal

“Desert Sonora Stone” Paver									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	90%*	100%*	90%*	100%	20%	20%	70%
4 hour	100%	100%*	90%*	100%*	100%*	100%	20%	20%	70%
1 hour	100%	100%*	100%*	100%*	100%*	100%	20%	20%	90%
10 min.	100%	100%*	100%*	100%*	100%*	100%	20%	20%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%*	100%*	100%	70%	70%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	90%	90%	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® 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%*	80%*	100%*	100%	20%	20%	100%
4 hour	100%	100%*	100%*	80%*	100%*	100%	70%	70%	100%
1 hour	100%	100%*	100%*	80%*	100%*	100%	80%	80%	100%
10 min.	100%	100%*	100%*	90%*	100%*	100%	95%	90%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	95%	100%*	100%	20%	20%	100%
4 hour	100%	100%*	100%*	95%	100%*	100%	20%	20%	100%
1 hour	100%	100%*	100%*	95%	100%*	100%	85%	85%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	85%	85%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“Flint Sonora Stone” Paver									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%*	100%*	100%	40%	40%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	40%	40%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	40%	40%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	40%	40%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%*	100%*	100%	80%	90%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	100%	95%	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® 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%*	70%	70%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%*	80%	80%	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® Stain Barrier									
	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%	80%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	90%	90%	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 – STAINING REMOVAL

% Removal

“Terra Sonora Stone” Paver									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	60%*	100%*	100%*	100%	40%	40%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	40%	40%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	40%	40%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	40%	40%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%*	100%*	100%	85%	80%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	85%	80%	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® 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%	80%	60%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	80%	70%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	90%	80%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	80%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%*	100%*	100%	80%	90%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	80%	90%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	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 – STAINING REMOVAL

% Removal

“Wheat Sonora Stone” Paver									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	90%	100%*	100%*	100%	<1%	<1%	100%
4 hour	100%	100%*	100%*	100%*	100%*	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® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%*	100%	100%*	100%	80%	90%	100%
4 hour	100%	100%	100%*	100%	100%*	100%	90%	90%	100%
1 hour	100%	100%	100%*	100%	100%*	100%	90%	95%	100%
10 min.	100%	100%	100%*	100%	100%*	100%	95%	95%	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%	70%	40%	100%
4 hour	100%	100%*	100%*	100%	100%*	100%	80%	70%	100%
1 hour	100%	100%*	100%*	100%	100%*	100%	90%	90%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%*	100%	80%	70%	100%
4 hour	100%	100%	100%	100%	100%*	100%	80%	90%	100%
1 hour	100%	100%	100%	100%	100%*	100%	90%	90%	100%
10 min.	100%	100%	100%	100%	100%*	100%	95%	95%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“Almond” Stairtread									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	70%*	80%*	80%*	100%	<1%	<1%	80%
4 hour	100%	100%*	90%*	90%*	80%*	100%	<1%	<1%	80%
1 hour	100%	100%*	100%*	90%*	80%*	100%	<1%	<1%	80%
10 min.	100%	100%*	100%*	90%*	80%*	100%	20%	20%	90%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	90%*	100%*	100%	90%	90%	100%
4 hour	100%	100%*	100%*	90%*	100%*	100%	90%	95%	100%
1 hour	100%	100%*	100%*	90%*	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	95%*	100%*	100%	100%	100%	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%	60%	60%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	80%	80%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	90%	90%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%*	100%*	100%	70%	60%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	90%	90%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	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 – STAINING REMOVAL

% Removal

“Café Brown” Stairtread									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	40%*	80%*	100%*	100%	<1%	<1%	100%
4 hour	100%	100%*	100%*	90%*	100%*	100%	<1%	<1%	100%
1 hour	100%	100%*	100%*	95%*	100%*	100%	<1%	<1%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	<1%	<1%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	90%*	100%*	100%*	100%	80%	90%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	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® 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%	40%	60%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	40%	70%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	70%	80%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	95%	90%	100%
Stand Off® Stain Barrier									
	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%	95%	95%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	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 – STAINING REMOVAL

% Removal

“Caramel” Stairtread									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	90%*	90%*	100%	<1%	<1%	100%
4 hour	100%	100%*	100%*	90%*	90%*	100%	<1%	<1%	100%
1 hour	100%	100%*	100%*	90%*	90%*	100%	<1%	<1%	100%
10 min.	100%	100%*	100%*	90%*	90%*	100%	<1%	<1%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	90%*	100%*	100%	95%	99%	100%
4 hour	100%	100%*	100%*	90%*	100%*	100%	95%	99%	100%
1 hour	100%	100%*	100%*	95%*	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	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%*	95%*	100%*	100%	80%	80%	100%
4 hour	100%	100%*	100%*	95%*	100%*	100%	90%	90%	100%
1 hour	100%	100%*	100%*	95%*	100%*	100%	90%	90%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	99%	99%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	95%*	100%*	100%	95%	80%	100%
4 hour	100%	100%*	100%*	95%*	100%*	100%	99%	95%	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 – STAINING REMOVAL

% Removal

“Espresso” Stairtread									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	90%*	80%*	100%*	100%*	100%	<1%	<1%	100%
4 hour	100%	100%*	90%*	100%*	100%*	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® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%*	100%*	100%	85%	90%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	90%	95%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	100%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	95%	100%	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%*	90%*	100%*	100%*	100%	70%	70%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	90%	90%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
Stand Off® Stain Barrier									
	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%	70%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	90%	95%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“French Gray” Stairtread									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	100%*	20%*	100%*	90%*	100%*	<1%	<1%	80%
4 hour	100%*	100%*	100%*	100%*	90%*	100%*	<1%	<1%	80%
1 hour	100%*	100%*	100%*	100%*	100%*	100%*	<1%	<1%	90%
10 min.	100%*	100%*	100%*	100%*	100%*	100%*	<1%	<1%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	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%	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® 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%	85%	85%	100%
4 hour	100%*	100%*	100%*	100%*	100%*	100%	85%	85%	100%
1 hour	100%*	100%*	100%*	100%*	100%*	100%	95%	95%	100%
10 min.	100%*	100%*	100%*	100%*	100%*	100%	100%	100%	100%
Stand Off® Stain Barrier									
	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%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“Granada White” Stairtread									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	80%*	80%*	80%*	100%	40%	40%	95%
4 hour	100%	100%	80%*	80%*	80%*	100%	40%	40%	95%
1 hour	100%	100%	100%*	95%*	95%*	100%	40%	40%	95%
10 min.	100%	100%	100%*	95%*	95%*	100%	40%	40%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	90%*	90%*	100%	95%	95%	100%
4 hour	100%	100%	100%	90%*	90%*	100%	100%	100%	100%
1 hour	100%	100%	100%	90%*	90%*	100%	100%	100%	100%
10 min.	100%	100%	100%	90%*	95%*	100%	100%	100%	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%	95%*	100%*	100%	100%	95%	100%
4 hour	100%	100%	100%	95%*	100%*	100%	100%	100%	100%
1 hour	100%	100%	100%	95%*	100%*	100%	100%	100%	100%
10 min.	100%	100%	100%	100%*	100%*	100%	100%	100%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	90%*	90%*	100%	90%	90%	100%
4 hour	100%	100%	100%	90%*	90%*	100%	95%	95%	100%
1 hour	100%	100%	100%	90%*	100%*	100%	100%	100%	100%
10 min.	100%	100%	100%	95%*	100%*	100%	100%	100%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“Malibu” Stairtread									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	90%*	90%*	70%*	70%*	100%	<1%	<1%	80%
4 hour	100%*	90%*	90%*	80%*	80%*	100%	<1%	<1%	80%
1 hour	100%*	90%*	90%*	80%*	80%*	100%	60%	60%	80%
10 min.	100%*	100%*	100%*	90%*	90%*	100%	70%	80%	80%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	90%*	80%*	80%*	100%	95%	90%	100%
4 hour	100%	100%*	100%*	85%*	85%*	100%	100%	90%	100%
1 hour	100%	100%*	100%*	85%*	85%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	90%*	90%*	100%	100%	100%	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%*	90%*	90%*	90%*	100%	90%	90%	100%
4 hour	100%	100%*	100%*	90%*	90%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	95%*	95%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	80%*	80%*	100%	60%	60%	90%
4 hour	100%	100%*	100%*	85%*	85%*	100%	95%	100%	80%
1 hour	100%	100%*	100%*	85%*	85%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	90%*	90%*	100%	100%	100%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“Santa Fe Buff” Stairtread									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	80%*	80%*	100%	<1%	<1%	70%
4 hour	100%	100%*	100%*	80%*	80%*	100%	<1%	<1%	70%
1 hour	100%	100%*	100%*	80%*	80%*	100%	<1%	<1%	100%
10 min.	100%	100%*	100%*	90%*	90%*	100%	<1%	<1%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	90%*	90%*	100%	100%	90%	100%
4 hour	100%	100%*	100%*	90%*	90%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	90%*	90%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	95%*	95%*	100%	100%	100%	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%*	90%*	95%*	95%*	100%	60%	70%	95%
4 hour	100%	100%*	100%*	95%*	95%*	100%	80%	85%	95%
1 hour	100%	100%*	100%*	95%*	95%*	100%	95%	95%	95%
10 min.	100%	100%*	100%*	95%*	95%*	100%	100%	100%	95%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	95%*	95%*	100%	95%	85%	95%
4 hour	100%	100%*	100%*	95%*	95%*	100%	95%	95%	95%
1 hour	100%	100%*	100%*	95%*	95%*	100%	95%	95%	95%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	95%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“Almond” Wall Cap									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	80%*	90%*	100%	<1%	<1%	80%
4 hour	100%	100%*	100%*	80%*	90%*	100%	<1%	<1%	80%
1 hour	100%	100%*	100%*	80%*	90%*	100%	<1%	<1%	80%
10 min.	100%	100%*	100%*	90%*	90%*	100%	<1%	<1%	95%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	95%	90%	100%	90%	85%	100%
4 hour	100%	100%	100%	95%	90%	100%	95%	95%	100%
1 hour	100%	100%	100%	95%	90%	100%	95%	100%	100%
10 min.	100%	100%	100%	100%	95%	100%	100%	100%	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%	90%	100%	80%	85%	100%
4 hour	100%	100%	100%	100%	90%	100%	85%	85%	100%
1 hour	100%	100%	100%	100%	90%	100%	85%	85%	100%
10 min.	100%	100%	100%	100%	95%	100%	95%	85%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	95%	100%	95%	90%	100%
4 hour	100%	100%	100%	100%	95%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	95%	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 – STAINING REMOVAL

% Removal

“Café Brown” Wall Cap									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	80%*	80%*	100%*	100%	<1%	<1%	100%
4 hour	100%	100%*	100%*	80%*	100%*	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® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	95%*	100%*	100%	90%	85%	100%
4 hour	100%	100%*	100%*	95%*	100%*	100%	90%	95%	100%
1 hour	100%	100%*	100%*	95%*	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	95%*	100%*	100%	100%	100%	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%*	95%*	100%*	100%	70%	70%	100%
4 hour	100%	100%*	100%*	95%*	100%*	100%	80%	85%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	90%	90%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	95%*	100%*	100%	95%	90%	100%
4 hour	100%	100%*	100%*	95%*	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	95%*	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 – STAINING REMOVAL

% Removal

“Caramel” Wall Cap									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	80%*	80%*	100%	<1%	<1%	80%
4 hour	100%	100%*	100%*	80%*	80%*	100%	<1%	<1%	80%
1 hour	100%	100%*	100%*	80%*	80%*	100%	<1%	<1%	80%
10 min.	100%	100%*	100%*	80%*	80%*	100%	<1%	<1%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	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® 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%*	90%*	90%*	100%	85%	80%	100%
4 hour	100%	100%*	100%*	90%*	90%*	100%	85%	85%	100%
1 hour	100%	100%*	100%*	90%*	90%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	95%*	95%*	100%	100%	100%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	95%*	100%*	100%	100%	100%	100%
4 hour	100%	100%*	100%*	95%*	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	95%*	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 – STAINING REMOVAL

% Removal

“Espresso” Wall Cap									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%*	100%*	100%	<1%	<1%	100%
4 hour	100%	100%*	100%*	100%*	100%*	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® Stone, Tile & Masonry Protector (STMP)									
	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® 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%	80%	80%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	95%	90%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
Stand Off® Stain Barrier									
	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%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“French Gray” Wall Cap									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	90%*	100%*	90%	<1%	<1%	20%
4 hour	100%	100%*	100%*	90%*	100%*	90%	<1%	<1%	20%
1 hour	100%	100%*	100%*	90%*	100%*	90%	<1%	<1%	20%
10 min.	100%	100%*	100%*	90%*	100%*	90%	<1%	<1%	20%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	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® 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%	80%	85%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	80%	85%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	90%	95%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%
Stand Off® Stain Barrier									
	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%	95%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	90%	95%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	95%	100%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“Granada White” Wall Cap									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	90%*	80%*	90%*	90%	<1%	<1%	60%
4 hour	100%	100%*	90%*	80%*	90%*	90%	<1%	<1%	50%
1 hour	100%	100%*	90%*	80%*	90%*	90%	<1%	<1%	70%
10 min.	100%	100%*	95%*	80%*	90%*	90%	<1%	<1%	90%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	95%*	90%	95%	100%	100%	90%	95%
4 hour	100%	100%	100%*	90%	100%	100%	100%	100%	95%
1 hour	100%	100%	100%*	95%	100%	100%	100%	100%	95%
10 min.	100%	100%	100%*	95%	100%	100%	100%	100%	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%	90%	90%	90%	100%	85%	80%	85%
4 hour	100%	100%	95%	90%	90%	100%	95%	95%	85%
1 hour	100%	100%	100%	90%	90%	100%	100%	99%	85%
10 min.	100%	100%	100%	95%	95%	100%	100%	100%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	90%*	100%*	100%	95%	85%	95%
4 hour	100%	100%*	100%*	90%*	100%*	100%	100%	95%	90%
1 hour	100%	100%*	100%*	90%*	100%*	100%	100%	95%	95%
10 min.	100%	100%*	100%*	90%*	100%*	100%	100%	100%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS – STAINING REMOVAL

% Removal

“Malibu” Wall Cap									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	90%*	90%*	95%*	100%	<1%	<1%	100%
4 hour	100%	100%*	100%*	90%*	95%*	100%	<1%	<1%	100%
1 hour	100%	100%*	100%*	90%*	95%*	100%	<1%	<1%	100%
10 min.	100%	100%*	100%*	95%*	95%*	100%	<1%	<1%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	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%	95%	95%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	95%	95%	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%	80%	80%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	90%	90%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	90%	90%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%*	100%*	100%	80%	80%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	80%	80%	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 – STAINING REMOVAL

% Removal

“Santa Fe Buff” Wall Cap									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	90%*	95%*	95%*	100%	<1%	<1%	100%
4 hour	100%	100%*	90%*	95%*	95%*	100%	<1%	<1%	100%
1 hour	100%	100%*	100%*	95%*	95%*	100%	<1%	<1%	100%
10 min.	100%	100%*	100%*	95%*	95%*	100%	<1%	<1%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	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%	90%	90%	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® 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%	80%	80%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	90%	90%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
Stand Off® Stain Barrier									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%*	100%*	100%	80%	80%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	80%	80%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	95%	95%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%

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



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TEST RESULTS – STAINING REMOVAL

% Removal

“Sunset Rose” Wall Cap									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	90%*	90%*	100%	<1%	<1%	90%
4 hour	100%	100%*	100%*	90%*	90%*	100%	<1%	<1%	90%
1 hour	100%	100%*	100%*	90%*	90%*	100%	<1%	<1%	90%
10 min.	100%	100%*	100%*	90%*	90%*	100%	<1%	<1%	100%
Stand Off® Stone, Tile & Masonry Protector (STMP)									
	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® 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%	80%	80%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	90%	90%	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® Stain Barrier									
	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%

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



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PHOTOGRAPHS- Stain Results

“Granada White” Wall Cap; Stains Applied



Untreated
Control

Stand Off® Stone,
Tile & Masonry
Protector (STMP)

Stand Off® SLX100
Water & Oil
Repellent

Stand Off®
Stain Barrier

“Granada White” Wall Cap; Stains Removed



Untreated
Control

Stand Off® Stone,
Tile & Masonry
Protector (STMP)

Stand Off® SLX100
Water & Oil
Repellent

Stand Off®
Stain Barrier



PALLET TAG PROGRAM LABORATORY REPORT



CONCLUSIONS – Stain Repellency

Based upon laboratory evaluations, all of the treatments were effective in repelling the staining agents from the samples tested. In addition, all of the treatments also improved the surface beading characteristics of the submitted samples.

RECOMMENDATIONS – STAIN REPELLENCY

Recommendations for stain repellency for Stepstone Inc., Gardena, CA, are provided in the chart below. Recommendations are based on the treatments that proved most effective for providing stain repellency on all types submitted.

Sample	Stain Repellent	Maintenance Cleaner
All Submitted Samples	Stand Off [®] Stone, Tile & Masonry Protector (STMP) OR Stand Off [®] SLX100 Water & Oil Repellent OR Stand Off [®] Stain Barrier	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 be conducted to determine the most appropriate product and procedures for a particular project. See product literature for additional application and product information.



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SECTION E – COLOR ENHANCEMENT:

DESCRIPTION OF PRODUCTS EVALUATED – Color Enhancement:

ConcreteScience® SpecSeal WB-Flat - A stabilized styrene acrylic co-polymer-based curing, sealing, compound. It's tough, chemical resistant, long lasting and non-yellowing. A surface coated with SpecSeal WB-Flat will bead water much like a freshly waxed car. The product is effective on vertical and horizontal, exterior and interior, above- and below-grade architectural concrete and masonry. SpecSeal WB-Flat is formulated from styrene acrylic co-polymer resin emulsions specially manufactured to yield a non-yellowing film and VOC compliance. Independent lab analysis confirms that the product's non-yellowing characteristics outlast and outperform competitive products and equal the performance of pure acrylic systems.

TEST METHOD – COLOR ENHANCEMENT

ConcreteScience® SpecSeal WB-Flat was applied in a single brushing application.



PALLET TAG PROGRAM LABORATORY REPORT



TEST RESULTS- COLOR ENHANCEMENT

Sample	ConcreteScience® SpecSeal WB-Flat
“French Gray - Classic Finish” Paver	3
“French Gray - Cal. Arch. Finish” Paver	3
“Granada White - Classic Finish” Paver	3
“Granada White - Cal. Arch. Finish” Paver	2
“Desert Sonora Stone” Paver	3
“Flint Sonora Stone” Paver	3
“Terra Sonora Stone” Paver	2
“Wheat Sonora Stone” Paver	1
“Almond” Stairtread	1
“Café Brown” Stairtread	2
“Caramel” Stairtread	1
“Espresso” Stairtread	1
“French Gray” Stairtread	2
“Granada White” Stairtread	2
“Malibu” Stairtread	2
“Santa Fe Buff” Stairtread	2
“Almond” Wall Cap	2
“Café Brown” Wall Cap	2
“Caramel” Wall Cap	2
“Espresso” Wall Cap	1
“French Gray” Wall Cap	2
“Granada White” Wall Cap	2
“Malibu” Wall Cap	2
“Santa Fe Buff” Wall Cap	3
“Sunset Rose” Wall Cap	3

Scale: 0- No enhancement; dull
1- Slight Enhancement
2- Moderate Enhancement
3- Significant Enhancement



PALLET TAG PROGRAM LABORATORY REPORT

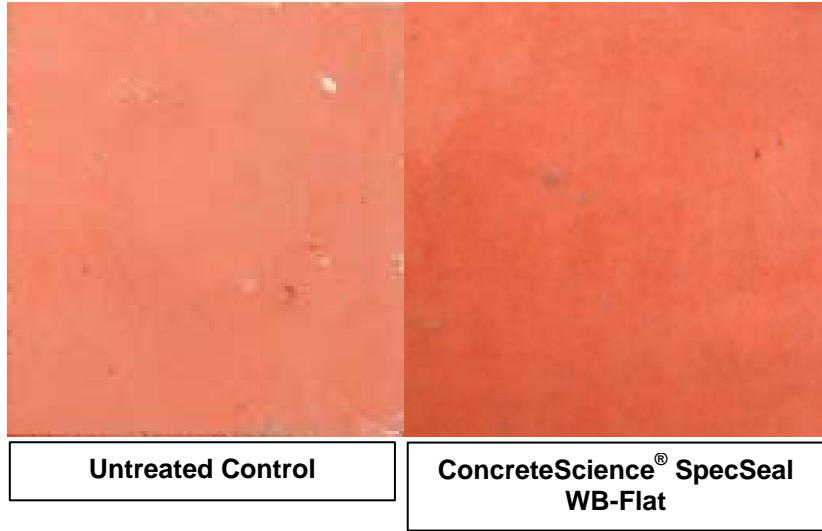


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PHOTOGRAPHS- Color Enhancement

“Sunset Rose” Wall Cap





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RECOMMENDATIONS – Color Enhancement

Recommendations for color enhancement for each sample submitted by Stepstone Inc., Gardena, CA, are provided in the chart below. Recommendations are based on the treatment that proved most effective in providing color enhancement to each sample.

Sample	Color Enhancement
All Submitted Samples	ConcreteScience® SpecSeal WB-Flat

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

**Stepstone Inc.
Gardena, CA**

Project No. 0411-12 PTP

Prepared For:

**Stepstone Inc.
17025 South Main Street
Gardena, CA 90248**

Prepared By:



***PROSOCO, Inc.
January 2005***