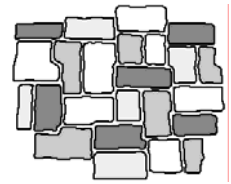




PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

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PROSOCO, Inc.

Attachments

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



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Submitted Information

For: Paul Tessier
cc: Steve Dean
Bob Helton
Robert Holmes

Subject: Texas Stone Designs, Inc.
Arlington, TX

Date: 2005

Project: 0502-05 PTP

Samples Submitted: 12 types of simulated stone in various sizes, shapes, and colors.

Sample	Color	Size
"Adobe"	Gold/Brown	Various
"Austin Chalk"	White	Various
"Dallas County Fieldstone"	Gray/Red/Brown/Green	Various
"English Cobble"	Dark Gray/Light Gray	Various
"Granbury Chalk"	Gold/Brown	Various
"Mayan Cobble"	Tan/Brown	Various
"Mesquite Perfect Fit"	Gray/White/Green/Gold/Red	Various
"Ozark Chalk"	Cream/Brown/Gold	Various
"Sahara Cobble"	Tan/Brown	Various
"Texas Gold"	White/Gold	Various
"Texas Sunset"	Gold	Various
"Western Chalk"	White/Tan	Various

Submitted by: Paul Tessier



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Page 2

Purpose of Testing

Twelve types of simulated stone were submitted to PROSOCO, Inc.'s Testing Laboratory with a request to determine if application of the products evaluated will produce any surface alteration during new construction cleaning operations. Additionally, the effectiveness of water repellents, graffiti control products, stain repellents, and color enhancing treatments suitable for simulated stone were evaluated.

New Construction Cleaning – Sure Klean® Manufactured Stone Cleaner and Enviro Klean® Safety Klean were evaluated for removal of laboratory applied mortar.

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

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

Limiting Surface Alterations – Sure Klean® Manufactured Stone 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.

Water Repellent Evaluation – Sure Klean® Weather Seal Blok-Guard® & Graffiti Control, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II, Sure Klean® Weather Seal Siloxane WB Concentrate, Sure Klean® Weather Seal Siloxane PD, Stand Off® SLX100 Water & Oil Repellent and Stand Off® Impregnator were evaluated on the submitted samples for their ability to provide water repellency.

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

Stain Repellency – Stand Off® Stone, Tile & Masonry Protector (STMP), Stand Off® SLX100 Water & Oil Repellent and Stand Off® Impregnator were evaluated for their ability to repel stains.

Color Enhancement – Sure Klean® Weather Seal Blok-Guard® & Graffiti Control and Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II were evaluated for their ability to provide color enhancement to the submitted samples.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

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Products Evaluated

Products Evaluated for New Construction Cleaning and Limiting Surface Alterations

Sample	Treatment	Dilution
All Submitted Simulated Stone	Sure Klean [®] Manufactured Stone Cleaner	1:2, 1:3
	Enviro Klean [®] Safety Klean	1:2, 1:3

Water Repellent Products Evaluated

Sample	Treatment	Dilution
All Submitted Simulated Stone	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	Concentrate
	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control II	Concentrate
	Sure Klean [®] Weather Seal Siloxane WB Concentrate	1:9
	Sure Klean [®] Weather Seal Siloxane PD	Concentrate
	Stand Off [®] SLX100 Water & Oil Repellent	Concentrate
	Stand Off [®] Impregnator	Concentrate

Graffiti Repellent Products Evaluated

Sample	Treatment	Dilution
All Submitted Simulated Stone	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	Concentrate
	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control II	Concentrate

Graffiti Removal Products Evaluated

Sample	Treatment	Dilution
All Submitted Simulated Stone	Sure Klean [®] Fast Acting Stripper	Concentrate
	Defacer Eraser [®] Graffiti Wipe	Concentrate

Stain Repellent Products Evaluated

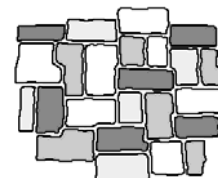
Sample	Treatment	Dilution
All Submitted Simulated Stone	Stand Off [®] Stone, Tile & Masonry Protector (STMP)	Concentrate
	Stand Off [®] SLX100 Water & Oil Repellent	Concentrate
	Stand Off [®] Impregnator	Concentrate

Color Enhancement Products Evaluated

Sample	Treatment	Dilution
All Submitted Simulated Stone	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	Concentrate
	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control II	Concentrate



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

New Construction Cleaning

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

Type S cementitious mortar was prepared in compliance with the manufacturer's instructions, applied to the simulated stone surface and allowed to cure for 3, 7 and 14 days. Type N cementitious mortar was prepared in compliance with the manufacturer's instructions, applied to the simulated stone surface and allowed to cure for 7, 14 and 21 days. Mortar removal was accomplished using chemical assistance and a high-pressure water rinse with pressure rinsing equipment. The removal of Type S cementitious mortar was visually evaluated after 3, 7 and 14 days of curing. The removal of Type N cementitious mortar was visually evaluated after 7, 14 and 21 days of curing.

Description of Products Evaluated – New Construction Cleaning

Sure Klean® Manufactured Stone 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. Manufactured Stone Cleaner adds depth to colors and brightens white matrices and exposed aggregate.

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

Test Method – New Construction Cleaning

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

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

Manufactured Stone 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.



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Test Results – New Construction Cleaning; Type N Mortar

% removal

“Adobe”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	95%	95%	95%
Manufactured Stone Cleaner	1:3	95%	95%	90%
Safety Klean	1:2	90%	90%	95%
Safety Klean	1:3	90%	90%	90%
“Austin Chalk”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	100%	100%	100%
Manufactured Stone Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	95%	95%
Safety Klean	1:3	100%	95%	95%
“Dallas County Fieldstone”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	100%	100%	100%
Manufactured Stone Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	99%	85%
“English Cobble”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	100%	100%	95%
Manufactured Stone Cleaner	1:3	100%	95%	95%
Safety Klean	1:2	100%	100%	95%
Safety Klean	1:3	100%	90%	90%
“Granbury Chalk”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	100%	100%	100%
Manufactured Stone Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	95%	100%	95%
Safety Klean	1:3	95%	100%	95%
“Mayan Cobble”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	100%	95%	95%
Manufactured Stone Cleaner	1:3	100%	95%	95%
Safety Klean	1:2	99%	95%	95%
Safety Klean	1:3	95%	95%	90%
“Mesquite Perfect Fit”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	100%	100%	95%
Manufactured Stone Cleaner	1:3	95%	95%	90%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	95%	90%	90%



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

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Test Results – New Construction Cleaning; Type N Mortar

% removal

“Ozark Chalk”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	95%	100%	95%
Manufactured Stone Cleaner	1:3	95%	95%	90%
Safety Klean	1:2	100%	100%	95%
Safety Klean	1:3	95%	95%	90%
“Sahara Cobble”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	100%	100%	100%
Manufactured Stone Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Texas Gold”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	100%	95%	100%
Manufactured Stone Cleaner	1:3	100%	95%	95%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	95%	100%
“Texas Sunset”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	100%	99%	100%
Manufactured Stone Cleaner	1:3	100%	95%	99%
Safety Klean	1:2	99%	95%	99%
Safety Klean	1:3	99%	95%	95%
“Western Chalk”				
Product	Dilution	7 day	14 day	21 day
Manufactured Stone Cleaner	1:2	95%	95%	95%
Manufactured Stone Cleaner	1:3	90%	95%	95%
Safety Klean	1:2	95%	95%	100%
Safety Klean	1:3	95%	95%	90%



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Test Results – New Construction Cleaning; Type S Mortar

% removal

“Adobe”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	95%	95%
Manufactured Stone Cleaner	1:3	95%	95%	95%
Safety Klean	1:2	99%	95%	95%
Safety Klean	1:3	99%	95%	90%
“Austin Chalk”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	100%	100%
Manufactured Stone Cleaner	1:3	100%	99%	99%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	99%	95%
“Dallas County Fieldstone”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	100%	100%
Manufactured Stone Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	95%
Safety Klean	1:3	100%	99%	90%
“English Cobble”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	100%	100%
Manufactured Stone Cleaner	1:3	100%	99%	99%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	99%	95%
“Granbury Chalk”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	95%	95%	90%
Manufactured Stone Cleaner	1:3	95%	95%	90%
Safety Klean	1:2	100%	95%	90%
Safety Klean	1:3	100%	95%	90%
“Mayan Cobble”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	95%	95%
Manufactured Stone Cleaner	1:3	100%	95%	95%
Safety Klean	1:2	95%	95%	90%
Safety Klean	1:3	99%	90%	80%
“Mesquite Perfect Fit”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	95%	95%
Manufactured Stone Cleaner	1:3	100%	95%	85%
Safety Klean	1:2	100%	95%	95%
Safety Klean	1:3	100%	95%	85%



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Test Results – New Construction Cleaning; Type S Mortar

% removal

“Ozark Chalk”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	95%	95%
Manufactured Stone Cleaner	1:3	100%	95%	95%
Safety Klean	1:2	100%	95%	95%
Safety Klean	1:3	100%	90%	95%
“Sahara Cobble”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	100%	100%
Manufactured Stone Cleaner	1:3	100%	100%	100%
Safety Klean	1:2	100%	100%	100%
Safety Klean	1:3	100%	100%	100%
“Texas Gold”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	100%	95%
Manufactured Stone Cleaner	1:3	100%	100%	95%
Safety Klean	1:2	100%	100%	95%
Safety Klean	1:3	95%	85%	95%
“Texas Sunset”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	100%	95%
Manufactured Stone Cleaner	1:3	100%	99%	90%
Safety Klean	1:2	100%	95%	90%
Safety Klean	1:3	100%	95%	85%
“Western Chalk”				
Product	Dilution	3 day	7 day	14 day
Manufactured Stone Cleaner	1:2	100%	95%	95%
Manufactured Stone Cleaner	1:3	100%	90%	95%
Safety Klean	1:2	100%	95%	95%
Safety Klean	1:3	100%	95%	95%



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Photographs – New Construction Cleaning

“Texas Sunset”; Type N Mortar; 7 Day Cleaning



“Texas Sunset”; Type N Mortar; 14 Day Cleaning





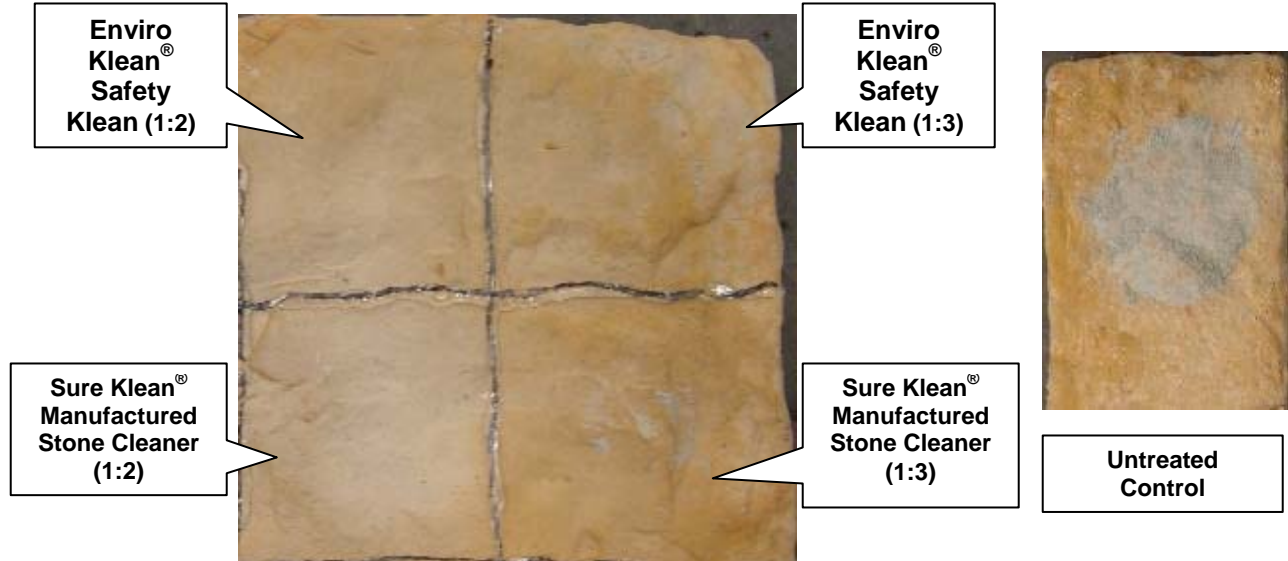
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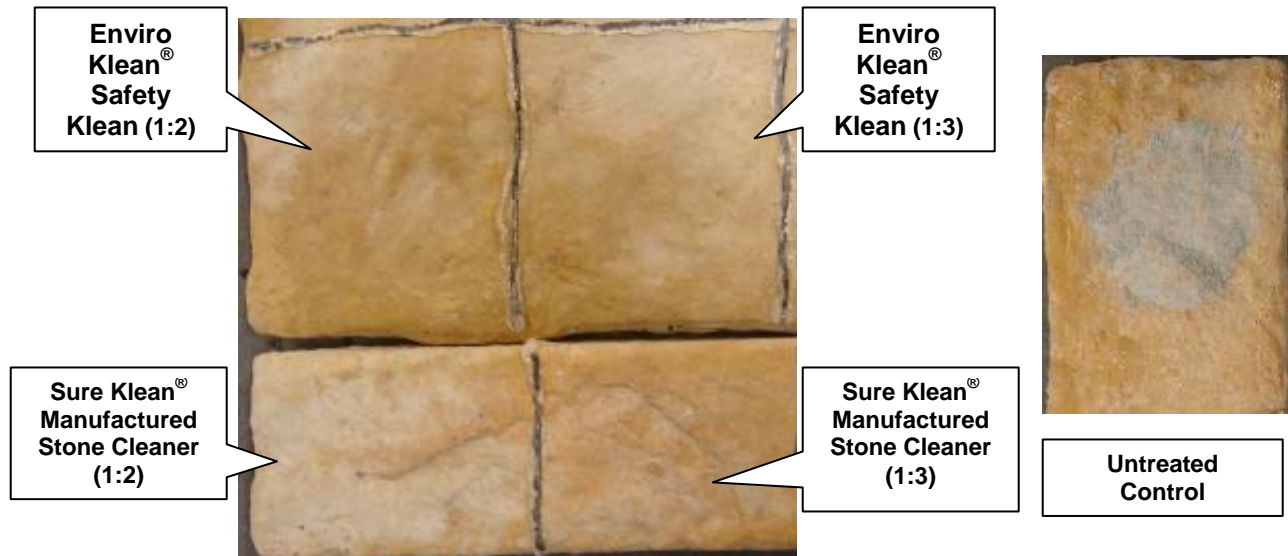
PROSOCO, Inc.

Photographs – New Construction Cleaning

“Texas Sunset”; Type N Mortar; 21 Day Cleaning



“Texas Sunset”; Type S Mortar; 3 Day Cleaning





PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Photographs – New Construction Cleaning

“Texas Sunset”; Type S Mortar; 7 Day Cleaning

Enviro Klean® Safety Klean (1:2)



Enviro Klean® Safety Klean (1:3)

Sure Klean® Manufactured Stone Cleaner (1:2)

Sure Klean® Manufactured Stone Cleaner (1:3)



Untreated Control

“Texas Sunset”; Type S Mortar; 14 Day Cleaning

Enviro Klean® Safety Klean (1:2)



Enviro Klean® Safety Klean (1:3)

Sure Klean® Manufactured Stone Cleaner (1:2)

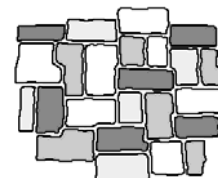
Sure Klean® Manufactured Stone Cleaner (1:3)



Untreated Control



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Conclusions – New Construction Cleaning

Based on the test results, all PROSOCO, Inc. products tested performed well in removing excess mortar from the submitted samples. The products tested performed well in removing the Type S mortar soils even after allowing the mortar to remain on the surface of the samples for 14 days under ideal curing conditions. The products tested also performed well in removing the Type N mortar soils even after allowing the mortar to remain on the surface of the samples for 21 days under ideal curing conditions.

It is recommended that the selected cleaners always be used in the lowest possible concentration. They should be rinsed with the lowest pressure of water as practical, at least 400 psi, to minimize removal of the decorative finish. Excessive pressure and water volume may combine to damage or remove decorative finishes. To facilitate easier removal of excess mortar and construction dirt while minimizing any potential surface alterations to the decorative finish, clean within 3 days of construction for Type S mortar and 7 days of construction for Type N mortar.

Recommendations – New Construction Cleaning

Recommendations for cleaning for the simulated stone submitted by Texas Stone Designs, Inc., Arlington, TX, are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar while limiting surface alterations.

Sample	New Construction Cleaning (Type N mortar, 21 day cleaning)	New Construction Cleaning (Type S mortar, 14 day cleaning)
All Submitted Simulated Stone	Enviro Klean® Safety Klean (1:2) OR (1:3) OR Sure Klean® Manufactured Stone Cleaner (1:2) OR (1:3)	Enviro Klean® Safety Klean (1:2) OR (1:3) OR Sure Klean® Manufactured Stone Cleaner (1:2) OR (1:3)

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 for Type S mortar and 7 days of construction for Type N mortar. Rinsing with high-pressure spray (400-800 psi) is recommended.

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



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Limiting Surface Alterations

Description of Products Evaluated – Limiting Surface Alterations

Sure Klean® Manufactured Stone 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. Manufactured Stone Cleaner adds depth to colors and brightens white matrices and exposed aggregate.

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

Test Method – Limiting Surface Alterations

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

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



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

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Test Results – Limiting Surface Alterations

Substrate: Simulated Stone		Pigment Color: “Adobe”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0
Substrate: Simulated Stone		Pigment Color: “Austin Chalk”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0
Substrate: Simulated Stone		Pigment Color: “Dallas County Fieldstone”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0
Substrate: Simulated Stone		Pigment Color: “English Cobble”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0
Substrate: Simulated Stone		Pigment Color: “Granbury Chalk”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0
Substrate: Simulated Stone		Pigment Color: “Mayan Cobble”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

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

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



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

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Test Results – Limiting Surface Alterations (Continued)

Substrate: Simulated Stone		Pigment Color: “Mesquite Perfect Fit”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0
Substrate: Simulated Stone		Pigment Color: “Ozark Chalk”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0
Substrate: Simulated Stone		Pigment Color: “Sahara Cobble”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0
Substrate: Simulated Stone		Pigment Color: “Texas Gold”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0
Substrate: Simulated Stone		Pigment Color: “Texas Sunset”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0
Substrate: Simulated Stone		Pigment Color: “Western Chalk”			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Manufactured Stone Cleaner	1:2	0	0	0	0
Manufactured Stone Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

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

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



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Photographs – Limiting Surface Alterations

“Texas Sunset” Limiting Surface Alterations



* **NOTE:** The photographs taken as examples for limiting surface alterations seem to show a removal of surface pigment due to the acidic nature of the evaluated cleaners on the submitted “Texas Sunset” simulated stone. This variation in surface pigment concentration is the natural appearance of the simulated stone and not the result of cleaning with the evaluated cleaners or surface agitation.



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Conclusions – Limiting Surface Alterations

Test results indicate that none of the products tested caused any surface alterations on any of the submitted samples. 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 for Type S mortar and 7 days of construction for Type N mortar.

Recommendations – Limiting Surface Alterations

Product recommendations for limiting surface alterations to the simulated stone submitted by Texas Stone Designs, Inc., Arlington, TX, are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar while limiting surface alterations.

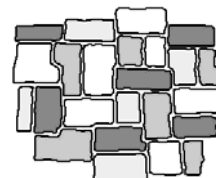
Sample	Limiting Surface Alterations
All Submitted Simulated Stone	Enviro Klean® Safety Klean (1:2) OR (1:3) OR Sure Klean® Manufactured Stone Cleaner (1:2) OR (1:3)

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 for Type S mortar and 7 days of construction for Type N mortar. 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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Protective Water Repellents

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

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

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

Description of Products Evaluated – Protective Water Repellents

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

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

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

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

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

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



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Sample Preparation – Protective Water Repellents

The submitted samples were allowed to absorb atmospheric humidity for at least 24 hours prior to treatment. All treatments were applied following the current PROSOCO, Inc. Product Guide instructions. All treatments were allowed to cure for at least 7 days prior to testing.

Test Methods – Protective Water Repellents

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

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

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

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

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

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

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

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

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

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

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

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

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



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Test Results – Protective Water Repellents

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

AA = Above Average

A = Average

BA = Below Average

“Adobe”	Results in mL loss	Ranking
Untreated Control	-0.2	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Austin Chalk”	Results in mL loss	Ranking
Untreated Control	-0.4	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Dallas County Fieldstone”	Results in mL loss	Ranking
Untreated Control	-0.2	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“English Cobble”	Results in mL loss	Ranking
Untreated Control	-0.4	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>



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Test Results – Protective Water Repellents

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

AA = Above Average

A = Average

BA = Below Average

“Granbury Chalk”	Results in mL loss	Ranking
Untreated Control	-0.6	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Mayan Cobble”	Results in mL loss	Ranking
Untreated Control	-0.4	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Mesquite Perfect Fit”	Results in mL loss	Ranking
Untreated Control	-0.2	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Ozark Chalk”	Results in mL loss	Ranking
Untreated Control	-0.4	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>



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Test Results – Protective Water Repellents

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

AA = Above Average

A = Average

BA = Below Average

“Sahara Cobble”	Results in mL loss	Ranking
Untreated Control	-0.2	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Texas Gold”	Results in mL loss	Ranking
Untreated Control	-0.4	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Texas Sunset”	Results in mL loss	Ranking
Untreated Control	-0.4	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>
“Western Chalk”	Results in mL loss	Ranking
Untreated Control	-0.6	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane WB Concentrate (1:9)	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off® Impregnator	-0.0	<u>AA</u>



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Photographs – Protective Water Repellents

“English Cobble”; RILEM Testing



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

**Stand Off[®]
Impregnator**



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

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



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

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

**Untreated
Control**



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Conclusions – Protective Water Repellents

Test results indicate that all of the water repellents tested exhibited above average water repellency on the submitted samples. In addition, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control and Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II enhanced the appearance of most of the submitted samples.

Recommendations – Protective Water Repellents

Recommendations for water repellent treatments for the simulated stone submitted by Texas Stone Designs, Inc., Arlington, TX, are provided in the chart below. Recommendations are based on the treatments that proved most effective at providing water repellency on the submitted simulated stone.

Sample	Water Repellents
“Adobe” “Austin Chalk” “Texas Sunset”	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean® Weather Seal Siloxane PD
“Dallas County Fieldstone” “Mesquite Perfect Fit” “Sahara Cobble” “Western Chalk”	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean® Weather Seal Siloxane PD OR Stand Off® SLX100 Water & Oil Repellent
“English Cobble” “Granbury Chalk” “Mayan Cobble”	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean® Weather Seal Siloxane PD OR Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Impregrator



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Recommendations – Protective Water Repellents (continued)

Sample	Water Repellents
"Ozark Chalk" "Texas Gold"	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean® Weather Seal Siloxane PD OR Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Impregnator

The ability of a water repellent treatment to prevent the ingress of water is affected by a variety of factors. Therefore, on-site testing should be carried out for all installations with the recommended systems to ensure job site workmanship yields equivalent results.

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



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Graffiti Control

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

Description of Products Evaluated – Graffiti Control

Products Evaluated for Graffiti Repellency

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

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

Products Evaluated for Graffiti Removal

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

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

Graffiti Agents

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



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PROSOCO, Inc.

Sample Preparation – Graffiti Control

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

Sections of the simulated stone samples were treated with one coat of Sure Klean® Weather Seal Blok-Guard® & Graffiti Control or one coat of Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II in accordance with PROSOCO, Inc.'s Product Guide application instructions and then allowed to cure for at least one day. At the end of the one-day cure period, a visual adverse effects evaluation was made and then the graffiti agents were applied to the substrates.

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

Test Methods – Graffiti Control

Chemical cleaners were evaluated using the following procedure:

1. Apply the product to a dry surface, soiled with graffiti.
2. Allow appropriate dwell time:

Graffiti Wipe	5 minutes
Fast Acting Stripper	20 minutes
3. Pressure rinse thoroughly until water runs clear.*
4. Allow the surface to dry thoroughly and visually examine to determine effectiveness.

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



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Test Results – Graffiti Control

“Adobe”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	100%	95%	100%	95%
Graffiti Wipe	70%	100%	80%	90%	85%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	100%	95%	100%	96%
Graffiti Wipe	90%	100%	95%	100%	96%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	100%	95%	100%	98%
Graffiti Wipe	95%	100%	90%	100%	96%
“Austin Chalk”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	90%	80%	80%	85%
Graffiti Wipe	80%	80%	80%	80%	80%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	99%	95%	99%	98%
Graffiti Wipe	99%	95%	95%	95%	96%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	95%	95%	99%	97%
Graffiti Wipe	99%	95%	95%	95%	96%
“Dallas County Fieldstone”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	100%	90%	100%	95%
Graffiti Wipe	70%	90%	90%	100%	88%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	100%	100%	100%	98%
Graffiti Wipe	90%	100%	100%	100%	98%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	100%	100%	100%	100%
Graffiti Wipe	95%	95%	100%	100%	98%
“English Cobble”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	60%	100%	80%	85%	81%
Graffiti Wipe	60%	80%	80%	70%	73%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	100%	90%	99%	95%
Graffiti Wipe	90%	100%	85%	95%	93%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	100%	90%	99%	95%
Graffiti Wipe	90%	100%	85%	95%	93%



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Test Results – Graffiti Control

“Granbury Chalk”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	100%	85%	95%	95%
Graffiti Wipe	90%	85%	85%	85%	86%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	100%	100%	100%	100%	100%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	100%	100%	100%	100%	100%
“Mayan Cobble”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	50%	100%	70%	95%	79%
Graffiti Wipe	50%	80%	70%	80%	70%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	100%	80%	99%	94%
Graffiti Wipe	95%	100%	80%	99%	94%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	100%	80%	99%	92%
Graffiti Wipe	90%	100%	80%	95%	91%
“Mesquite Perfect Fit”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	99%	90%	90%	95%
Graffiti Wipe	90%	50%	90%	90%	80%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	100%	100%	100%	100%	100%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	100%	100%	99%	100%	100%
“Ozark Chalk”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	95%	95%	95%	95%
Graffiti Wipe	90%	90%	90%	95%	91%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	100%	100%	100%	100%	100%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	100%	100%	100%	100%	100%



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Test Results – Graffiti Control

“Sahara Cobble”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	95%	80%	80%	88%
Graffiti Wipe	90%	80%	80%	80%	83%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	100%	100%
Graffiti Wipe	100%	100%	100%	100%	100%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	100%	99%	100%
Graffiti Wipe	100%	100%	99%	99%	100%
“Texas Gold”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	80%	70%	70%	79%
Graffiti Wipe	95%	80%	70%	70%	79%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	95%	95%	99%	97%
Graffiti Wipe	95%	95%	95%	95%	95%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	95%	90%	90%	93%
Graffiti Wipe	95%	90%	90%	90%	91%
“Texas Sunset”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	50%	70%	80%	71%
Graffiti Wipe	50%	50%	50%	60%	53%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	100%	90%	100%	96%
Graffiti Wipe	95%	100%	99%	100%	99%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	100%	99%	99%	98%
Graffiti Wipe	95%	100%	100%	100%	99%
“Western Chalk”					
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	95%	70%	90%	86%
Graffiti Wipe	70%	70%	70%	80%	73%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	95%	90%	90%	93%
Graffiti Wipe	95%	80%	80%	90%	86%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	95%	90%	90%	93%
Graffiti Wipe	90%	80%	80%	90%	85%

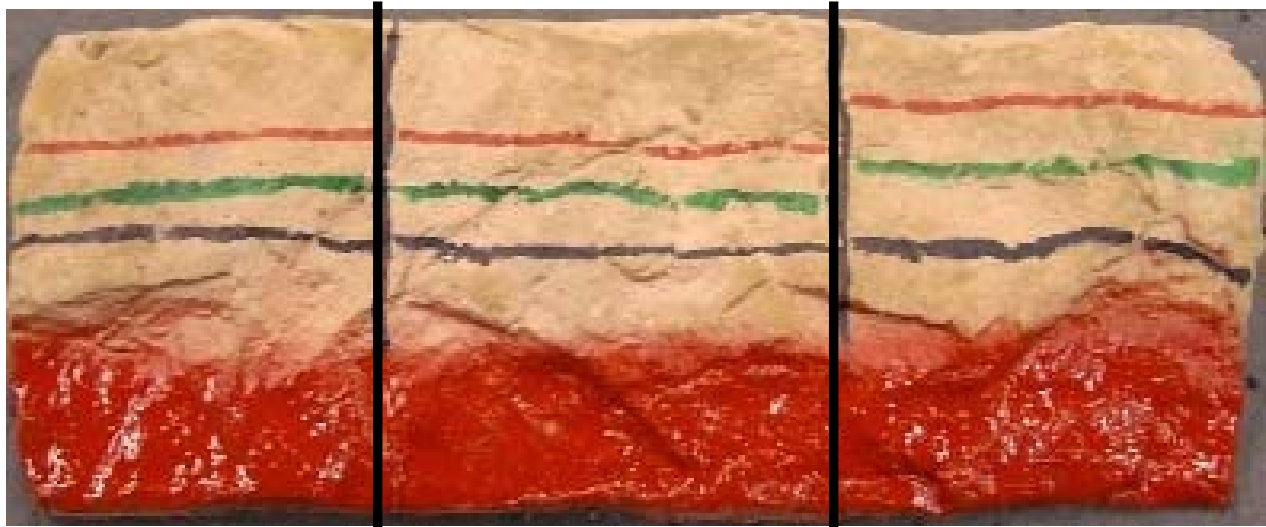


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Photographs – Graffiti Control

“Texas Sunset”; Before Graffiti Removal

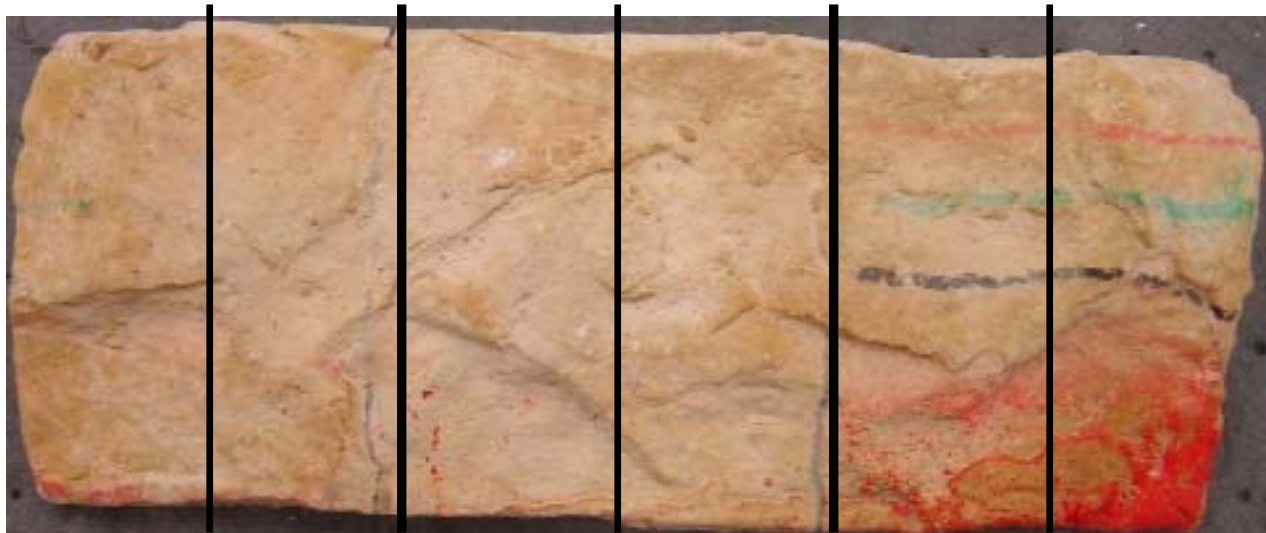


Sure Klean® Weather Seal Blok-Guard® & Graffiti Control

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

Untreated Control

“Texas Sunset”; After Graffiti Removal



Sure Klean®
Fast Acting
Stripper

Defacer
Eraser®
Graffiti Wipe

Sure Klean®
Fast Acting
Stripper

Defacer
Eraser®
Graffiti Wipe

Sure Klean®
Fast Acting
Stripper

Defacer
Eraser®
Graffiti Wipe

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

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

Untreated Control



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Conclusions – Graffiti Control

Based upon laboratory evaluations, graffiti removal was improved when the submitted samples were treated with Sure Klean® Weather Seal Blok-Guard® & Graffiti Control or Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II prior to graffiti application. In addition, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control and Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II enhanced the appearance of most of the submitted samples.

Recommendations – Graffiti Control

Recommendations for graffiti control treatment for each type of simulated stone submitted by Texas Stone Designs, Inc., Arlington, TX, are provided in the chart below. Recommendations are based on the treatment that proved most effective for providing graffiti repellency and the product that was most effective at removing the graffiti on all types submitted.

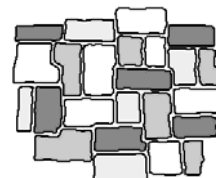
Sample Type	Graffiti Repellency	Graffiti Removal
All Submitted Simulated Stone	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe

Apply all products in accordance with the manufacturer’s recommendation provided on container labels and product data sheets. Because the severity of graffiti varies from location to location, on-site testing should be conducted to determine the most appropriate graffiti control product and procedure for a particular project.

For the most severe graffiti cases Sure Klean® Fast Acting Stripper is recommended for job-site testing. For mild graffiti cases, Defacer Eraser® Graffiti Wipe is recommended for job-site testing. See product literature for additional application and product information.



PALLET TAG PROGRAM LABORATORY REPORT



Stain Repellency

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

Description of Products Evaluated – Stain Repellency

Stain Repellent Treatments

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

Maintenance Cleaner

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

Staining Agents Evaluated

Products

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

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



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PROSOCO, Inc.

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Test Method – Stain Repellency

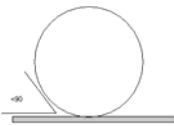
Surface Beading Evaluation

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 ($<90^\circ$) which correlates to “above average” repellency. A rating of “3 or 4” indicates “average” repellency. A rating of “5 or greater” indicated that the oil quickly absorbed into the substrate and correlates to “below average” repellency.

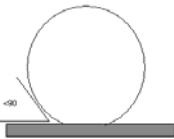
Note: Non-free flowing staining agents such as ketchup and mustard are applied in a globular fashion and therefore are not evaluated for their beading properties.

Rating System (1-5)

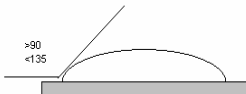
1. No wetting of contact area (no darkening); angle less than 90°



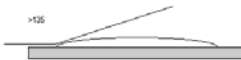
2. Wetting contained to the contact area (slight darkening); angle is less than 90°



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



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



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



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.



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Test Results – Surface Beading

“Adobe”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
STMP	1	-	-	1	1	1	3	3	1
SLX100	1	-	-	1	2	2	3	3	2
Impregnator	1	-	-	1	2	2	3	3	2
“Austin Chalk”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
STMP	1	-	-	2	2	2	3	3	1
SLX100	1	-	-	1	2	2	3	3	2
Impregnator	1	-	-	1	2	2	3	3	2
“Dallas County Fieldstone”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
STMP	1	-	-	2	2	2	3	3	2
SLX100	1	-	-	1	2	2	3	3	2
Impregnator	1	-	-	1	2	3	3	3	2
“English Cobble”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
STMP	1	-	-	2	1	2	3	3	2
SLX100	1	-	-	1	1	2	3	3	2
Impregnator	1	-	-	1	1	2	3	3	2
“Granbury Chalk”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
STMP	1	-	-	2	2	2	3	3	2
SLX100	1	-	-	1	1	1	3	3	1
Impregnator	1	-	-	2	2	2	3	3	2
“Mayan Cobble”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
STMP	1	-	-	1	2	2	3	3	2
SLX100	1	-	-	1	2	2	3	3	1
Impregnator	1	-	-	1	2	2	3	3	1
“Mesquite Perfect Fit”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
STMP	4	-	-	4	4	4	3	3	3
SLX100	2	-	-	2	3	3	3	3	2
Impregnator	2	-	-	2	3	3	3	3	2



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Test Results – Surface Beading

“Ozark Chalk”									
	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	4	-	-	4	3	3	4	4	3
SLX100	3	-	-	3	3	2	3	3	2
Impregnator	3	-	-	3	3	3	3	3	3
“Sahara Cobble”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
STMP	4	-	-	3	3	3	3	3	3
SLX100	3	-	-	3	3	2	3	3	2
Impregnator	3	-	-	3	3	3	3	3	3
“Texas Gold”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
STMP	3	-	-	3	3	3	3	3	3
SLX100	1	-	-	1	2	2	3	3	2
Impregnator	1	-	-	2	2	2	3	3	3
“Texas Sunset”									
	Coco-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
STMP	3	-	-	3	3	3	3	3	3
SLX100	1	-	-	1	2	2	3	3	2
Impregnator	1	-	-	2	2	2	3	3	3
“Western Chalk”									
	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	1	-	-	2	2	2	3	3	2
SLX100	1	-	-	1	1	1	3	3	1
Impregnator	1	-	-	1	2	2	3	3	2



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Test Results – Stain Repellency

“Adobe”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	20%*	10%*	70%*	70%*	50%	<1%	<1%	100%
4 hour	100%	80%*	80%*	70%*	90%*	70%	<1%	<1%	100%
1 hour	100%	90%*	90%*	90%*	90%*	90%	<1%	<1%	100%
10 min.	100%	95%*	95%*	90%*	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%	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%	20%	90%	100%	100%	50%	70%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	90%*	90%*	90%	90%	100%	50%	50%	100%
4 hour	100%	100%*	100%*	90%	100%	100%	50%	70%	100%
1 hour	100%	100%*	100%*	90%	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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Test Results – Stain Repellency

“Austin Chalk”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	70%	50%	90%	100%	<1%	<1%	100%
4 hour	100%	100%	80%	50%	90%	100%	<1%	<1%	100%
1 hour	100%	100%	90%	50%	95%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	90%	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%	20%	90%	100%	100%	50%	70%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	90%	90%	90%	90%	100%	50%	50%	100%
4 hour	100%	100%	100%	90%	100%	100%	50%	70%	100%
1 hour	100%	100%	100%	90%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%



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Test Results – Stain Repellency

“Dallas County Fieldstone”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	20%*	50%*	100%*	100%	<1%	<1%	100%
4 hour	100%	100%*	50%*	50%*	100%*	100%	<1%	<1%	100%
1 hour	100%	100%*	90%*	50%*	100%*	100%	<1%	<1%	100%
10 min.	100%	100%*	100%*	90%*	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%	100%	100%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	30%*	50%*	100%*	100%	50%	50%	100%
4 hour	100%	100%*	90%*	70%*	100%*	100%	50%	70%	100%
1 hour	100%	100%*	100%*	90%*	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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Test Results – Stain Repellency

“English Cobble”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	80%	100%*	80%*	50%	100%*	100%	<1%	<1%	80%
4 hour	90%	100%*	80%*	50%	100%*	100%	<1%	<1%	80%
1 hour	100%	100%*	100%*	90%	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%	70%	100%	100%	40%	40%	100%
4 hour	100%	100%	100%	90%	100%	100%	80%	100%	100%
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%*	100%	100%*	100%	50%	50%	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® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%	90%	100%	50%	50%	100%
4 hour	100%	100%*	100%*	100%	100%	100%	50%	50%	100%
1 hour	100%	100%*	100%*	100%	100%	100%	100%	60%	100%
10 min.	100%	100%*	100%*	100%	100%	100%	100%	60%	100%

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



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Test Results – Stain Repellency

“Granbury Chalk”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	90%*	80%*	100%*	100%	<1%	<1%	100%
4 hour	100%	100%*	80%*	80%*	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%	100%*	80%	100%*	100%	100%	100%	100%
4 hour	100%	100%	100%*	80%	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® 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%	100%*	100%	100%	100%	100%
4 hour	100%	100%*	100%*	90%	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® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%*	90%	100%*	100%	100%	100%	100%
4 hour	100%	100%	100%*	90%	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.



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Test Results – Stain Repellency

“Mayan Cobble”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	20%*	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%*	80%*	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%	100%	100%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
4 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%

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



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Test Results – Stain Repellency

“Mesquite Perfect Fit”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	70%*	10%*	60%	90%	90%	<1%	<1%	100%
4 hour	100%	100%*	80%*	60%	90%	90%	<1%	<1%	100%
1 hour	100%	100%*	95%*	60%	100%	90%	<1%	<1%	100%
10 min.	100%	100%*	100%*	90%	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%	50%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
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%*	100%*	100%*	100%*	100%	100%	100%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	90%*	90%*	100%	100%	80%	100%
4 hour	100%	100%*	100%*	90%*	90%*	100%	100%	90%	100%
1 hour	100%	100%*	100%*	90%*	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%*	100%*	100%	100%	100%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



Test Results – Stain Repellency

“Ozark Chalk”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	10%*	20%	50%*	70%	<1%	<1%	100%
4 hour	100%	100%*	100%*	20%	50%*	70%	<1%	<1%	100%
1 hour	100%	100%*	100%*	90%	100%*	100%	<1%	<1%	100%
10 min.	100%	100%*	100%*	90%	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%*	20%	90%*	90%	80%	70%	100%
4 hour	100%	100%	100%*	20%	95%*	90%	90%	90%	100%
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%*	100%*	100%	100%*	100%	100%	100%	100%
4 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	70%	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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Test Results – Stain Repellency

“Sahara Cobble”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	30%*	100%*	100%	<1%	<1%	100%
4 hour	100%	100%*	100%*	60%*	100%*	100%	<1%	<1%	100%
1 hour	100%	100%*	100%*	70%*	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%	90%	100%*	100%	100%	100%	100%
4 hour	100%	100%	100%	90%	100%*	100%	100%	100%	100%
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%*	100%*	90%	100%*	100%	60%	80%	100%
4 hour	100%	100%*	100%*	95%	100%*	100%	60%	80%	100%
1 hour	100%	100%*	100%*	95%	100%*	100%	100%	90%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	95%	100%*	100%	60%	60%	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.



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Test Results – Stain Repellency

“Texas Gold”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	20%	80%	90%	<1%	<1%	100%
4 hour	100%	100%	100%	20%	90%	100%	<1%	<1%	100%
1 hour	100%	100%	100%	50%	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%	20%	90%	100%	100%	90%	100%
4 hour	100%	100%	100%	20%	90%	100%	100%	100%	100%
1 hour	100%	100%	100%	50%	90%	100%	100%	100%	100%
10 min.	100%	100%	100%	70%	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%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%



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Test Results – Stain Repellency

“Texas Sunset”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	90%*	90%*	80%	90%*	100%	<1%	<1%	90%
4 hour	100%	90%*	100%*	90%	90%*	100%	<1%	<1%	100%
1 hour	100%	100%*	100%*	100%	95%*	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%	90%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	90%	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® 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%	50%	50%	100%
4 hour	100%	100%*	100%*	100%*	100%*	100%	80%	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® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%*	100%*	100%	100%*	100%	60%	60%	100%
4 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
1 hour	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%
10 min.	100%	100%*	100%*	100%	100%*	100%	100%	100%	100%

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



PALLET TAG PROGRAM LABORATORY REPORT



Test Results – Stain Repellency

“Western Chalk”									
Untreated Control									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	70%	80%	90%	90%	<1%	<1%	80%
4 hour	100%	100%	80%	80%	100%	100%	<1%	<1%	80%
1 hour	100%	100%	90%	80%	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%	95%	90%	100%	100%	100%	70%	100%
4 hour	100%	100%	100%	90%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
Stand Off® Impregnator									
	Coca-Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	90%	90%	100%	90%	50%	50%	100%
4 hour	100%	100%	100%	100%	100%	90%	50%	70%	100%
1 hour	100%	100%	100%	100%	100%	95%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Photographs – Stain Repellency

“Mesquite Perfect Fit”; Stains Applied



Stand Off[®]
SLX100 Water &
Oil Repellent

Stand Off[®]
Impregnator

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

Untreated
Control

“Mesquite Perfect Fit”; Stains Removed



Stand Off[®]
SLX100 Water &
Oil Repellent

Stand Off[®]
Impregnator

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

Untreated
Control



PALLET TAG PROGRAM LABORATORY REPORT



PROSOCO, Inc.

Conclusions – Stain Repellency

Based upon laboratory evaluations, all of the treatments tested improved the surface beading of the samples. In addition, at least one of the treatments was effective in improving each of the samples' resistance to the applied stains.

Recommendations – Stain Repellency

Recommendations for stain resistance treatment for the simulated stone submitted by Texas Stone Designs, Inc., Arlington, TX, are provided in the chart below. Recommendations are based on the treatments that proved most effective for providing stain repellency on the submitted simulated stone.

Sample	Stain Repellent	Maintenance Cleaner
"Adobe" "Austin Chalk" "Texas Sunset"	Stand Off® Stone, Tile & Masonry Protector (STMP)	Enviro Klean® 2010 All Surface Cleaner (1:10)
"Dallas County Fieldstone" "Mesquite Perfect Fit" "Sahara Cobble" "Western Chalk"	Stand Off® Stone, Tile & Masonry Protector (STMP) OR Stand Off® SLX100 Water & Oil Repellent	
"English Cobble" "Granbury Chalk" "Mayan Cobble"	Stand Off® Stone, Tile & Masonry Protector (STMP) OR Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Impregnator	
"Ozark Chalk" "Texas Gold"	Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Impregnator	

The ability of a stain repellent treatment to prevent staining is affected by a variety of factors. Therefore, on-site testing should be carried out for all installations with the recommended systems to ensure job site workmanship yields equivalent results.

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



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Color Enhancement

Description of Products Evaluated – Color Enhancement

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

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

Sample Preparation – Color Enhancement

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

Test Method – Color Enhancement

The color enhancing products were applied in accordance with the application instructions in the current PROSOCO, Inc. Product Guide. After 24 hours, a visual evaluation was conducted to compare the treated areas with the untreated areas.



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Test Results – Color Enhancement

Sample	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II
“Adobe”	2	1
“Austin Chalk”	0	0
“Dallas County Fieldstone”	1	1
“English Cobble”	2	1
“Granbury Chalk”	1	1
“Mayan Cobble”	1	1
“Mesquite Perfect Fit”	1	1
“Ozark Chalk”	0	0
“Sahara Cobble”	1	0
“Texas Gold”	0	0
“Texas Sunset”	2	1
“Western Chalk”	0	0

Scale: 0 – No enhancement; dull

1- Slight Enhancement

2- Moderate Enhancement

3- Significant Enhancement



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Photographs – Color Enhancement

“English Cobble”; Color Enhancement Treatments Applied



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

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

Untreated Control



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Recommendations – Color Enhancement

Recommendations for color enhancement for the submitted simulated stone by Texas Stone Designs, Inc., Arlington, TX, are provided in the chart below. Recommendations are based on the treatment that proved most effective in providing color enhancement to the submitted samples.

Sample	Color Enhancement
“Adobe” “Dallas County Fieldstone” “English Cobble” “Granbury Chalk” “Mayan Cobble” “Mesquite Perfect Fit” “Texas Sunset”	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II
“Sahara Cobble”	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control
“Austin Chalk” “Ozark Chalk” “Texas Gold” “Western Chalk”	No Recommendations

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

**Texas Stone Designs, Inc.
Arlington, TX**

Project No. 0502-05 PTP

Prepared For:

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Prepared By:



***PROSOCO, Inc.
March 2005***