

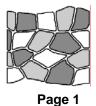


PROSOCO, Inc.

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





PROSOCO, Inc.

Submitted Information

For:	Brian Koenings
cc:	John Bourne

Subject: Valders Stone & Marble, Inc. Valders, WI

Date: January 24, 2006

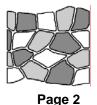
Project: 0510-10 PTP

Samples Submitted: 6 types of dolomitic limestone, each with a polished, honed, sandblasted, and flamed finish

Sample	Finish	Color	Size	
	Polished			
"Buff" Dolomitic	Honed	Beige/Orange		
Limestone	Sandblasted	Deige/Orange		
	Flamed			
<i>"</i> –	Polished			
"Dove White" Dolomitic	Honed	White/Light Gray		
Limestone	Sandblasted	white/Light Gray		
	Flamed			
<i>"</i> ••••••	Polished			
"Gray" Dolomitic	Honed	Gray/White		
Limestone	Sandblasted	Gray/White		
	Flamed		- 3" x 5" x ½"	
<i>"</i>	Polished		0 x 0 x 72	
"Dove White Blush" Dolomitic	Honed	Pink/White		
Limestone	Sandblasted	FILLY WILLE		
	Flamed			
<i>"</i> 	Polished			
"River Bluff" Dolomitic	Honed	Beige/Gray		
Limestone	Sandblasted	Deige/Glay		
	Flamed			
	Polished			
"Tiger Stripe" Dolomitic	Honed	Yellow/Tan/Orange		
Limestone	Sandblasted	reliuw/ran/Orange		
	Flamed			

Submitted by: Brian Koenings





PROSOCO, Inc.

Purpose of Testing

Six types of dolomitic limestone, each with a polished, honed, sandblasted, and flamed finish, were submitted to PROSOCO, Inc.'s Testing Laboratory with a request to determine the optimum dilution of appropriate new construction cleaning products to limit any potential surface alterations to the submitted samples. Additionally, the effectiveness of water repellents, graffiti control products, and stain repellents suitable for dolomitic limestone were evaluated.

Limiting Surface Alterations – Sure Klean[®] Vana Trol[®] was evaluated to determine if any surface alterations are created during new construction cleaning operations. The surface alteration evaluation was visually determined based upon perceived discoloration or erosion/etching of the samples based on the following:

<u>Surface Finish Removal</u> 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.

<u>Substrate Deterioration</u> 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.

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

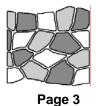
<u>Staining</u> is the visual examination for changes that are the result of a chemical reaction that leaves a staining precipitate.

Protective Water Repellency – Sure Klean[®] Weather Seal Natural Stone Treatment WB, Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control, Stand Off[®] SLX100 Water & Oil Repellent, and Stand Off[®] Limestone & Marble Protector were evaluated on the submitted samples for their ability to provide water repellency to the submitted samples.

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

Stain Repellency – Stand Off[®] SLX100 Water & Oil Repellent and Stand Off[®] Limestone & Marble Protector were evaluated for their ability to repel stains from the submitted samples.





PROSOCO, Inc.

Products Evaluated

New Construction Cleaning Products Evaluated

Sample	Product	Dilution
All Submitted Honed, Sandblasted, and Flamed Samples	Sure Klean [®] Vana Trol [®]	1:6, 1:8

Protective Water Repellent Products Evaluated

Sample	Product	Dilution
All Submitted Polished	Stand Off [®] SLX100 Water & Oil Repellent	Concentrate
Samples	Stand Off [®] Limestone & Marble Protector	Concentrate
	Sure Klean [®] Weather Seal Natural Stone Treatment WB	Concentrate
All Submitted Honed,	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	Concentrate
Sandblasted, and Flamed Samples	Stand Off [®] SLX100 Water & Oil Repellent	Concentrate
	Stand Off [®] Limestone & Marble Protector	Concentrate

Graffiti Repellent Products Evaluated

Sample	Product	Dilution
All Submitted Honed, Sandblasted, and Flamed Samples	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	Concentrate

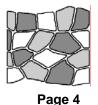
Graffiti Removal Products Evaluated

Sample	Product	Dilution
All Submitted Honed, Sandblasted, and	Sure Klean [®] Fast Acting Stripper	Concentrate
Flamed Samples	Defacer Eraser [®] Graffiti Wipe	Concentrate

Stain Repellent Products Evaluated

Sample	Product	Dilution
All Submitted Samples	Stand Off [®] SLX100 Water & Oil Repellent	Concentrate
All Submitted Samples	Stand Off [®] Limestone & Marble Protector	Concentrate





PROSOCO, Inc.

Limiting Surface Alterations

These cleaning trials were conducted to determine if the evaluated cleaners cause any surface alterations during new construction cleaning operations.

Description of Products Evaluated – Limiting Surface Alterations

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

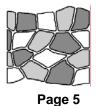
Test Method – Limiting Surface Alterations

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.
- 4. Pressure rinse thoroughly.*

***Pressure Rinsing Equipment** – Masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 45 degree fan spray tip was used for rinsing.





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Test Results – Limiting Surface Alterations

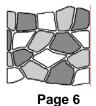
	Color: "Buff" - Ho	Jilcu		
Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
1:6	0	0	0	0
	0	0	0	0
Pigment	Color: "Buff" - Sa	andblasted		
Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
1:6	0	0	0	0
1:8	0	0	0	0
Pigment	Color: "Buff" - Fl	amed		
Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
1:6	0	0	0	0
1:8	0	0	0	0
Pigment	Color: "Dove Wh	nite" - Honed		
Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
1:6	0	0	0	0
1:8	0	0	0	0
Pigment	Color: "Dove Wh	nite" - Sandblaste	d	
Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
1:6	0	0	0	0
1:8	0	0	0	0
Pigment	Color: "Dove Wh	nite" - Flamed		
Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
1:6	0	0	0	0
1:8	0	0	0	0
Pigment	Color: "Dove Wh	ite Blush" - Hone	d	
Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
1:6	0	0	0	0
1:8	0	0	0	0
Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
1:6	0	0	0	0
1:8	0	0	0	0
Dilution	Surface Finish	Substrate	Color	Staining
1:6	0	0	0	0
	0	0	0	0
	1:6 1:8 Pigment Dilution 1:6 1:8 Pigment Dilution	DilutionRemoval1:601:80Pigment Color: "Buff" - SaDilutionSurface Finish Removal1:601:80Pigment Color: "Buff" - FlDilutionSurface Finish Removal1:601:80Pigment Color: "Dove WhDilutionSurface Finish Removal	DilutionRemovalDeterioration1:6001:800Pigment Color: "Buff" - SandblastedDilutionSurface Finish RemovalSubstrate Deterioration1:6001:800Pigment Color: "Buff" - FlamedDilutionSurface Finish RemovalSubstrate Deterioration1:6001:800Pigment Color: "Dove White" - HonedDilutionSurface Finish RemovalSubstrate Deterioration1:6001:800Pigment Color: "Dove White" - HonedDilutionSurface Finish RemovalSubstrate Deterioration1:6001:800Pigment Color: "Dove White" - Sandblaster Deterioration1:6001:800Pigment Color: "Dove White" - FlamedDilutionSurface Finish Removal1:6001:8001:8001:8001:8001:8001:8001:8001:8001:8001:8001:8001:6001:8001:8001:8001:800 <td>Dilution Removal Deterioration Change 1:6 0 0 0 1:8 0 0 0 Pigment Color: "Buff" - Sandblasted Color Dilution Surface Finish Removal Substrate Deterioration Color 1:6 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:6 0 0 0 1:6 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8<!--</td--></td>	Dilution Removal Deterioration Change 1:6 0 0 0 1:8 0 0 0 Pigment Color: "Buff" - Sandblasted Color Dilution Surface Finish Removal Substrate Deterioration Color 1:6 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:6 0 0 0 1:6 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 0 0 0 1:8 </td

1 – change – slight

4 - change - excessive

2 - change - moderate





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Test Results – Limiting Surface Alterations

Substrate: Dolomitic Limestone	Pigment	Color: "Gray" - ⊦	loned		
		Surface Finish	Substrate	Color	
Product	Dilution	Removal	Deterioration	Change	Staining
®	1:6	0	0	0	0
Sure Klean [®] Vana Trol [®]	1:8	0	0	0	0
Substrate: Dolomitic Limestone		Color: "Gray" - S	andblasted	0	U U
		Surface Finish	Substrate	Color	
Product	Dilution	Removal	Deterioration	Change	Staining
	1:6	0	0	0	0
Sure Klean [®] Vana Trol [®]	1:8	0	0	0	0
Substrate: Dolomitic Limestone	-	Color: "Gray" - F	ů.	0	0
		Surface Finish	Substrate	Color	
Product	Dilution	Removal	Deterioration	Change	Staining
Sure Klean [®] Vana Trol [®]	1:6	0	0	0	0
	1:8	0	0	0	0
Substrate: Dolomitic Limestone	Pigment	Color: "River Blu	ff" - Honed	-	-
		Surface Finish	Substrate	Color	_
Product	Dilution	Removal	Deterioration	Change	Staining
®	1:6	0	0	0	0
Sure Klean [®] Vana Trol [®]	1:8	0	0	0	0
Substrate: Dolomitic Limestone		Color: "River Blu	ff" – Sandblasted	÷	0
		Surface Finish	Substrate	Color	
Product	Dilution	Removal	Deterioration	Change	Staining
Sure Klean [®] Vana Trol [®]	1:6	0	0	0	0
Sure Klean Vana I rol	1:8	0	0	0	0
Substrate: Dolomitic Limestone Pigment Color: "River Bluff" - Flamed					
		Surface Finish	Substrate	Color	
Product	Dilution	Removal	Deterioration	Change	Staining
Sure Klean [®] Vana Trol [®]	1:6	0	0	0	0
Sure Klean Vana Troi	1:8	0	0	0	0
Substrate: Dolomitic Limestone	Pigment	Color: "Tiger Stri	pe" - Honed		
		Surface Finish	Substrate	Color	
Product	Dilution	Removal	Deterioration	Change	Staining
Sure Klean [®] Vana Trol [®]	1:6	0	0	0	0
Sure Klean Vana Trol	1:8	0	0	0	0
Substrate: Dolomitic Limestone	Pigment	Color: "Tiger Stri	pe" - Sandblaste	d	•
		Surface Finish	Substrate	Color	
Product	Dilution	Removal	Deterioration	Change	Staining
	1:6	0	0	0	0
Sure Klean [®] Vana Trol [®]	1:8	0	0	0	0
Substrate: Dolomitic Limestone	Pigment	Color: "Tiger Stri	pe" - Flamed		
		Surface Finish	Substrate	Color	
Product	Dilution	Removal	Deterioration	Change	Staining
	1:6	0	0	0	0
Sure Klean [®] Vana Trol [®]	1:8	0	0	0	0

0 – No change

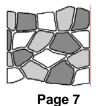
1 – change – slight

3 - change - heavy

2 – change – moderate

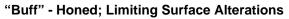
4 - change - excessive





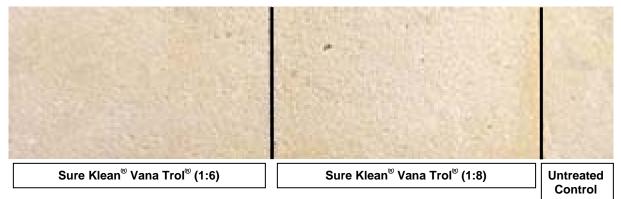
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Test Photographs – Limiting Surface Alterations

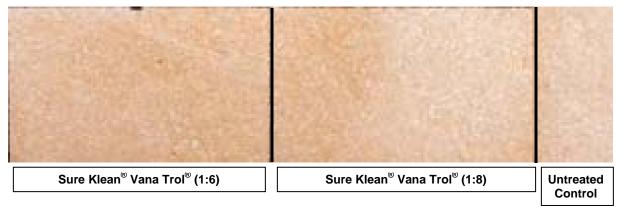


Sure Klean [®] Vana Trol [®] (1:6) Sure Klean [®] Vana Trol [®] (1:8)	Untreated Control
	1
	and the second
	1000
	A. Stranger

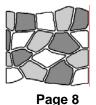
"Buff" - Sandblasted; Limiting Surface Alterations



"Buff" - Flamed; Limiting Surface Alterations







PROSOCO, Inc.

Conclusions – Limiting Surface Alterations

Based on the test results, Sure Klean[®] Vana Trol[®] caused no noticeable surface alterations to the submitted honed, sandblasted, or flamed samples.

It is recommended that the selected cleaner always be used in the lowest possible concentration to limit any potential surface alterations to the submitted samples.

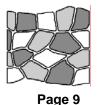
Recommendations – Limiting Surface Alterations

Recommendations for cleaning for the dolomitic limestone submitted by Valders Stone & Marble, Inc., Valders, WI are provided in the chart below. Recommendations are based on the optimum dilution for limiting surface alterations to the submitted samples.

Sample	Limiting Surface Alterations
All Submitted Honed, Sandblasted, and Flamed Samples	Sure Klean [®] Vana Trol [®] (1:8)

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.





PROSOCO, Inc.

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

<u>Description of Products Evaluated</u> – Protective Water Repellents

Sure Klean[®] Weather Seal Natural Stone Treatment WB – A low odor, water-based solution of potassium methyl siliconate developed to effectively treat a wide range of natural stone and masonry surfaces. Natural Stone Treatment WB provides long-lasting repellency without altering the natural appearance of the substrate. Natural Stone Treatment WB is used as a surface treatment on natural stone and masonry surfaces to impart a water-repellent surface and reduce water absorption into the substrate. Unlike conventional siliconate water repellents, Natural Stone Treatment WB has been developed to help prevent surface staining during application.

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.

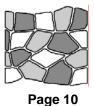
Stand Off[®] SLX100 Water & Oil Repellent – Combines water and oil repellency on most substrates to prevent staining by waterborne and oily substances. This modified "neat" silane system offers invisible protection and low volatility. The small molecular structure of SLX100 allows for maximum penetration 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[®] **Limestone & Marble Protector** – A clear, penetrating water and oil repellent suitable for use on interior or exterior calcareous surfaces such as limestone, marble and travertine. Limestone & Marble Protector penetrates deeply to provide surface and subsurface protection without forming a glossy surface film. Treated surfaces retain their natural color, texture and appearance. Limestone & Marble Protector combines high quality siloxane resins with "oleophobic" resins to produce a penetrating water and oil repellent ideal for long-term protection against food, oil and waterborne staining. Unlike conventional penetrating oil repellent products, Limestone & Marble Protector has been modified to ensure effectiveness on limestone, marble and other calcareous or neutral pH surfaces.

Sample Preparation – Protective Water Repellents

The submitted samples were cleaned with Enviro Klean[®] 2010 All Surface Cleaner diluted with ten parts water and allowed to dry for at least 24 hours prior to treatment. The treatments were then applied to the submitted samples by brush as recommended in the current PROSOCO, Inc. Product Data Sheet instructions. All treatments were allowed to cure for at least 14 days prior to testing.





PROSOCO, Inc.

<u>Test Methods</u> – 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 5.0 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.

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

<u>BA</u> = "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 5.0 mL of water or more, then:

A rating of <u>AA</u> Above Average water repellent performance would be reported for treatments which result in a loss of no more than:

5.0 mL × 20% = 1.0 mL

A rating of <u>A</u> Average water repellent performance would be reported for treatments which result in a loss of no more than:

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





PROSOCO, Inc.

<u>Test Results</u> – Protective Water Repellents

$\underline{AA} = Above Average \qquad \underline{A} = Average$	<u>BA</u> = Below Avera	ge
"Buff" - Polished	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.2	
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	AA
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"Buff" - Honed	Results in mL loss	Ranking
Untreated Control	-0.3	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	AA
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	AA
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	AA
Stand Off [®] Limestone & Marble Protector	-0.0	AA
"Buff" - Sandblasted	Results in mL loss	Ranking
Untreated Control	-0.4	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	AA
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	AA
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	AA
Stand Off [®] Limestone & Marble Protector	-0.0	AA
"Buff" - Flamed	Results in mL loss	Ranking
Untreated Control	-0.4	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	<u>AA</u>
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"Dove White" - Polished	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"Dove White" - Sandblasted	Results in mL loss	Ranking
Untreated Control	-0.1	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	AA
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	<u>AA</u>
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	AA





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<u>Test Results</u> – Protective Water Repellents

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

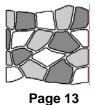
<u>AA</u> = Above Average

<u>A</u> = Average

BA = Below Average

"Dove White" - Flamed	Results in mL loss	Ranking
Untreated Control	-0.1	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	<u>AA</u>
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"Dove White Blush" - Polished	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"Dove White Blush" - Honed	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.1	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	<u>AA</u>
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"Dove White Blush" - Sandblasted	Results in mL loss	<u>Ranking</u>
"Dove White Blush" - Sandblasted Untreated Control	Results in mL loss -0.2	<u>Ranking</u>
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB		Ranking <u>AA</u>
Untreated Control	-0.2	
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.2 -0.0	 <u>AA</u>
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.2 -0.0 -0.0	 <u>AA</u> <u>AA</u>
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent	-0.2 -0.0 -0.0 -0.0	 <u>AA</u> <u>AA</u> <u>AA</u>
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent Stand Off [®] Limestone & Marble Protector	-0.2 -0.0 -0.0 -0.0 -0.0	 <u>AA</u> <u>AA</u> <u>AA</u> <u>AA</u>
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent Stand Off [®] Limestone & Marble Protector "Dove White Blush" - Flamed	-0.2 -0.0 -0.0 -0.0 -0.0 <u>Results in mL loss</u>	 <u>AA</u> <u>AA</u> <u>AA</u> <u>AA</u>
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent Stand Off [®] Limestone & Marble Protector "Dove White Blush" - Flamed Untreated Control	-0.2 -0.0 -0.0 -0.0 -0.0 Results in mL loss -0.2	 AA AA AA AA AA Ranking
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent Stand Off [®] Limestone & Marble Protector "Dove White Blush" - Flamed Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.2 -0.0 -0.0 -0.0 -0.0 Results in mL loss -0.2 -0.0	 AA AA AA AA Ranking AA
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent Stand Off [®] Limestone & Marble Protector "Dove White Blush" - Flamed Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.2 -0.0 -0.0 -0.0 -0.0 Results in mL loss -0.2 -0.0 -0.0	 AA AA AA AA AA Ranking AA AA
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent Stand Off [®] Limestone & Marble Protector "Dove White Blush" - Flamed Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent	-0.2 -0.0 -0.0 -0.0 -0.0 Results in mL loss -0.2 -0.0 -0.0 -0.0 -0.0	 AA AA AA AA Ranking AA AA AA
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent Stand Off [®] Limestone & Marble Protector "Dove White Blush" - Flamed Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent Stand Off [®] Limestone & Marble Protector "Gray" - Polished Untreated Control	-0.2 -0.0 -0.0 -0.0 -0.0 -0.0 Results in mL loss -0.2 -0.0 -0.0 -0.0 -0.0 -0.0	 AA AA AA AA Ranking AA AA AA AA AA
Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent Stand Off [®] Limestone & Marble Protector " Dove White Blush" - Flamed Untreated Control Sure Klean [®] Weather Seal Natural Stone Treatment WB Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control Stand Off [®] SLX100 Water & Oil Repellent Stand Off [®] Limestone & Marble Protector " Gray" - Polished	-0.2 -0.0 -0.0 -0.0 -0.0 -0.0 Results in mL loss -0.2 -0.0 -0.0 -0.0 -0.0 -0.0 Results in mL loss	 <u>AA</u> <u>AA</u> <u>AA</u> <u>AA</u> <u>AA</u> <u>AA</u> <u>AA</u> <u>AA</u> <u>AA</u> <u>AA</u> <u>AA</u>





PROSOCO, Inc.

<u>Test Results</u> – Protective Water Repellents

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

<u>AA</u> = Above Average

<u>A</u> = Average

BA = Below Average

"Gray" - Honed	Results in mL loss	Ranking
Untreated Control	-0.1	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	<u>AA</u>
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"Gray" - Sandblasted	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.1	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	<u>AA</u>
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"Gray" - Flamed	Results in mL loss	Ranking
Untreated Control	-0.1	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	<u>AA</u>
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"River Bluff" - Polished	<u>Results in mL loss</u>	<u>Ranking</u>
Untreated Control	-0.1	
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"River Bluff" - Honed	Results in mL loss	Ranking
Untreated Control	-0.1	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	<u>AA</u>
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"River Bluff" - Sandblasted	Results in mL loss	Ranking
Untreated Control	-0.1	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	<u>AA</u>
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>





PROSOCO, Inc.

<u>Test Results</u> – Protective Water Repellents

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

<u>AA</u> = Above Average

<u>A</u> = Average

BA = Below Average

"River Bluff" - Flamed	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.5	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	AA
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	AA
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
Stand Off [®] Limestone & Marble Protector	-0.0	AA
"Tiger Stripe" - Polished	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.5	
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	AA
Stand Off [®] Limestone & Marble Protector	-0.0	AA
"Tiger Stripe" - Honed	Results in mL loss	Ranking
Untreated Control	-0.5	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	AA
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	AA
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	AA
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>
"Tiger Stripe" - Sandblasted	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.5	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	AA
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	AA
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	AA
Stand Off [®] Limestone & Marble Protector	-0.0	AA
"Tiger Stripe" - Flamed	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.5	
Sure Klean [®] Weather Seal Natural Stone Treatment WB	-0.0	AA
Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	-0.0	AA
Stand Off [®] SLX100 Water & Oil Repellent	-0.0	AA
Stand Off [®] Limestone & Marble Protector	-0.0	<u>AA</u>

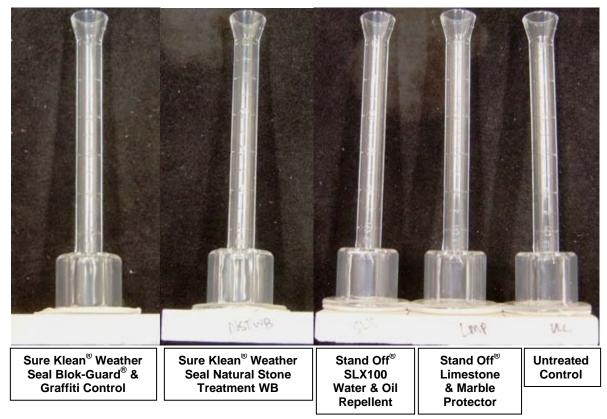




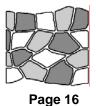
PROSOCO, Inc.

Photographs – Protective Water Repellents









PROSOCO, Inc.

<u>Conclusions</u> – 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 provided a slight to moderate color enhancement to the submitted honed, sandblasted and flamed samples. Sure Klean[®] Weather Seal Natural Stone Treatment WB, Stand Off[®] SLX100 Water & Oil Repellent, and Stand Off[®] Limestone & Marble Protector caused no noticeable color change to any of the submitted samples.

<u>Recommendations</u> – Protective Water Repellents

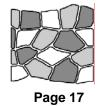
Recommendations for water repellent treatments for the dolomitic limestone submitted by Valders Stone & Marble, Inc., Valders, WI are provided in the chart below. Recommendations are based on the treatments that proved most effective at providing water repellency on the submitted samples.

Sample	Water Repellents
All Submitted Polished Samples	Stand Off [®] SLX100 Water & Oil Repellent OR Stand Off [®] Limestone & Marble Protector
All Submitted Honed, Sandblasted, and Flamed Samples	Sure Klean [®] Weather Seal Natural Stone Treatment WB OR Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control OR Stand Off [®] SLX100 Water & Oil Repellent OR Stand Off [®] Limestone & Marble Protector

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.





PROSOCO, Inc.

Graffiti Control

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

Description of Products Evaluated – Graffiti Control

Products Evaluated for Graffiti Repellency

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

Products Evaluated for Graffiti Removal

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)





PROSOCO, Inc.

Sample Preparation – Graffiti Control

Sure Klean[®] Weather Seal Blok-Guard[®] & Graffiti Control was applied in a wet-on-wet brushing application to sections of the submitted samples in accordance with the current PROSOCO, Inc. Product Data Sheet application instructions. The samples were then allowed to cure for at least 24 hours. A visual adverse effects evaluation was made and then the graffiti agents were applied to the substrates.

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

<u>Test Methods</u> – Graffiti Control

Chemical cleaners were evaluated using the following procedure:

- 1. Apply the graffiti removal product to a dry surface, soiled with graffiti.
- 4. Allow the surface to dry thoroughly and visually examine to determine effectiveness.

***Pressure Rinsing Equipment** – Masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 45 degree fan spray tip was used for rinsing.





PROSOCO, Inc.

Test Results – Graffiti Control

		"Buff" - Hon	ed		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	50%	30%	85%	61%
Graffiti Wipe	80%	30%	30%	30%	43%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	95%	90%	90%	91%
Graffiti Wipe	90%	95%	90%	90%	91%
	"	Buff" - Sandbl	asted	•	
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	70%	50%	90%	74%
Graffiti Wipe	85%	10%	30%	30%	39%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	80%	80%	80%	83%
Graffiti Wipe	90%	80%	80%	80%	83%
	-	"Buff" - Flam	ed		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	80%	20%	90%	68%
Graffiti Wipe	40%	10%	20%	70%	35%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	90%	80%	95%	90%
Graffiti Wipe	95%	80%	80%	50%	76%
	"[Dove White" - H	loned		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	40%	30%	90%	61%
Graffiti Wipe	85%	4%	30%	60%	45%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	95%	90%	95%	94%
Graffiti Wipe	98%	98%	90%	95%	95%
	"Dov	e White" - San	dblasted		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	70%	85%	90%	83%
Graffiti Wipe	85%	20%	60%	60%	56%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	95%	95%	98%	96%
Graffiti Wipe	95%	90%	95%	95%	94%
	"D	ove White" - F	lamed		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	60%	40%	90%	69%
Graffiti Wipe	85%	10%	30%	20%	36%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	98%	100%	100%
Graffiti Wipe	100%	98%	98%	100%	99%





PROSOCO, Inc.

Test Results – Graffiti Control

	"Dov	e White Blush	" - Honed		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	40%	20%	90%	59%
Graffiti Wipe	85%	20%	20%	40%	41%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	90%	85%	95%	91%
Graffiti Wipe	95%	90%	85%	90%	90%
	"Dove W	Vhite Blush" - S	Sandblasted		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	50%	30%	30%	51%
Graffiti Wipe	90%	10%	10%	20%	33%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	95%	95%	95%	96%
Graffiti Wipe	98%	90%	90%	95%	93%
	"Dove	e White Blush"	' - Flamed		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	30%	30%	70%	53%
Graffiti Wipe	60%	10%	20%	10%	25%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	70%	85%	70%	79%
Graffiti Wipe	90%	70%	95%	70%	81%
		"Gray" - Hon	ed		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	90%	90%	95%	93%
Graffiti Wipe	99%	80%	90%	90%	90%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	95%	100%	99%
Graffiti Wipe	100%	100%	95%	100%	99%
	"(Gray" - Sandbl	asted	•	•
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	85%	60%	80%	80%
Graffiti Wipe	95%	20%	30%	40%	46%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	100%	100%	95%	100%	99%
Graffiti Wipe	100%	100%	95%	100%	99%
		"Gray" - Flam	ned		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	80%	90%	90%	89%
Graffiti Wipe	90%	30%	40%	40%	50%
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%





PROSOCO, Inc.

Test Results – Graffiti Control

	"	River Bluff" - H	loned		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	85%	80%	80%	83%
Graffiti Wipe	85%	70%	50%	80%	71%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	99%	100%	100%	98%	99%
Graffiti Wipe	95%	100%	100%	100%	99%
	"Riv	er Bluff" - San	dblasted	•	
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	85%	70%	50%	80%	71%
Graffiti Wipe	90%	20%	40%	60%	53%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	100%	99%	98%	98%
Graffiti Wipe	100%	100%	99%	98%	99%
	"F	River Bluff" - F	lamed		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	60%	20%	50%	53%
Graffiti Wipe	70%	20%	20%	20%	33%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	90%	90%	85%	89%
Graffiti Wipe	90%	90%	85%	85%	88%
	"Т	iger Stripe" - I	Honed		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	60%	50%	20%	90%	55%
Graffiti Wipe	60%	20%	20%	60%	40%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	90%	90%	90%	88%
Graffiti Wipe	80%	90%	80%	80%	83%
	"Tige	er Stripe" - San	dblasted		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	80%	70%	30%	70%	63%
Graffiti Wipe	80%	10%	20%	30%	35%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	90%	80%	70%	83%
Graffiti Wipe	90%	80%	80%	70%	80%
	"Т	iger Stripe" - F	lamed		
Untreated Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	90%	80%	10%	90%	68%
Graffiti Wipe	90%	10%	10%	30%	35%
Blok-Guard [®] & Graffiti Control	Red Paint	Black Marker	Green Marker	Red Marker	% Avg. Removal
Fast Acting Stripper	95%	90%	80%	90%	89%
Graffiti Wipe	98%	90%	80%	80%	87%





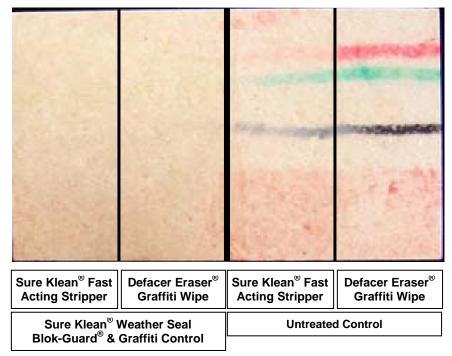
PROSOCO, Inc.

Photographs – Graffiti Control



"Dove White" - Flamed; Before Graffiti Removal

"Dove White" - Flamed; After Graffiti Removal







PROSOCO, Inc.

Conclusions – Graffiti Control

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

Recommendations – Graffiti Control

Recommendations for graffiti control treatment for each type of dolomitic limestone submitted by Valders Stone & Marble, Inc., Valders, WI 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 Honed, Sandblasted, and Flamed Samples	Sure Klean [®] Weather Seal Blok-Guard [®] & Graffiti Control	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.







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[®] **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[®] **Limestone & Marble Protector** – A clear, penetrating water and oil repellent suitable for use on interior or exterior calcareous surfaces such as limestone, marble and travertine. Limestone & Marble Protector penetrates deeply to provide surface and subsurface protection without forming a glossy surface film. Treated surfaces retain their natural color, texture and appearance. Limestone & Marble Protector combines high quality siloxane resins with "oleophobic" resins to produce a penetrating water and oil repellent ideal for long-term protection against food, oil and waterborne staining. Unlike conventional penetrating oil repellent products, Limestone & Marble Protector has been modified to ensure effectiveness on limestone, marble and other calcareous or neutral pH surfaces.

Maintenance Cleaner

Enviro Klean[®] 2010 All Surface Cleaner – A "next-generation" product for cleaning and degreasing light-toheavily 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 homeuse 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.

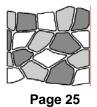
Staining Agents Evaluated

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

Sample Preparation – Stain Repellency

Samples were cleaned with Enviro Klean[®] 2010 All Surface Cleaner diluted with 10 parts water and allowed to dry for at least 24 hours prior to treatment. Stand Off[®] SLX100 Water & Oil Repellent and Stand Off[®] Limestone & Marble Protector were applied by brush in accordance with the current PROSOCO, Inc. Product Data Sheet application instructions.





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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 quickly absorbed into the substrate and correlates to "below average" repellency.

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

Rating System (1-5)

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

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



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



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



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

NO ANGLE

Stain Removal Evaluation

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





PROSOCO, Inc.

Test Results – Surface Beading

			"Buff" - P	olished					
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	4	4	4	4	4	4
SLX100	2	-	-	3	3	3	3	3	3
Limestone & Marble Protector	2	-	-	3	3	3	3	3	3
			"Buff" - I	loned					
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	2	2	2	3	3	3
Limestone & Marble Protector	1	-	-	3	3	3	3	3	3
		"В	Suff" - San	dblaste	d				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	1	1	1	2	2	2
Limestone & Marble Protector	1	-	-	1	1	1	2	2	2
			"Buff" - F	lamed					
Treatment	Coco-	Ketchup	Mustard	Red	Balsamic	Soy	Olive	Wesson	Hot
Untreated Control	Cola 4	_		Wine 4	Vinegar 4	Sauce 4	Oil 5	Oil 5	Coffee 4
SLX100	4	-	-	4	4	4	2	2	2
Limestone & Marble Protector	1	-	-	1	1	1	2	2	2
	I		 ve White"			I	2	Ζ	Z
	Coco-	00		- Folisi Red	Balsamic	Soy	Olive	Wesson	Hot
Treatment	Cola	Ketchup	Mustard	Wine	Vinegar	Sauce	Oil	Oil	Coffee
Untreated Control	3	-	-	4	4	4	4	4	4
SLX100	2	-	-	3	3	3	3	3	3
Limestone & Marble Protector	2	- "D	-	3	3	3	3	3	3
	-	"De	ove White	-		_			
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	2	2	2	3	3	3
Limestone & Marble Protector	1	-	-	3	3	3	3	3	3
		"Dove	White" -	Sandbla	asted				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	1	1	1	2	2	2
Limestone & Marble Protector	1	-	-	1	1	1	2	2	2
		"Do	ove White	" - Flam	ed				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
			-	4	4	4	5	5	4
Untreated Control	4	-	-	-	-		-	Ŭ	
Untreated Control SLX100	4	-	-	1	1	1	2	2	2





PROSOCO, Inc.

Test Results – Surface Beading

		"Dove \	White Blue	sh" - Po	lished				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	4	4	4	4	4	4
SLX100	2	-	-	3	3	3	3	3	3
Limestone & Marble Protector	2	-	-	3	3	3	3	3	3
		"Dove	White Blu	ush - Ho	oned"				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	2	2	2	3	3	3
Limestone & Marble Protector	1	-	-	3	3	3	3	3	3
		"Dove WI	hite Blush	n" - Sano	dblasted				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	1	1	1	2	2	2
Limestone & Marble Protector	1	-	-	1	1	1	2	2	2
		"Dove	White Blu	ısh" - Fl	amed				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	1	1	1	2	2	2
Limestone & Marble Protector	1	-	-	1	1	1	2	2	2
		"	Gray" – P	olished					
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	4	4	4	4	4	4
SLX100	2	-	-	3	3	3	3	3	3
Limestone & Marble Protector	2	-	-	3	3	3	3	3	3
			"Gray" - I	Honed					
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	2	2	2	3	3	3
Limestone & Marble Protector	1	-	-	3	3	3	3	3	3
	-	"G	ray" – Sar	ndblaste		-	-	-	-
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	1	1	1	2	2	2
Limestone & Marble Protector	1	-	-	1	1	1	2	2	2
			"Gray" - F	lamed					
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	1	1	1	2	2	2
	-							2	2

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PROSOCO, Inc.

Test Results – Surface Beading

		"Riv	ver Bluff"	- Polish	ed				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	4	4	4	4	4	4
SLX100	2	-	-	3	3	3	3	3	3
Limestone & Marble Protector	2	-	-	3	3	3	3	3	3
		"R	iver Bluff'	' - Hone	d				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	2	2	2	3	3	3
Limestone & Marble Protector	1	-	-	3	3	3	3	3	3
		"Rive	r Bluff"- S	Sandbla	sted				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	1	1	1	2	2	2
Limestone & Marble Protector	1	-	-	1	1	1	2	2	2
		"Ri	ver Bluff"	- Flame	ed				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	1	1	1	2	2	2
Limestone & Marble Protector	1	-	-	1	1	1	2	2	2
		"Tig	er Stripe"	- Polish	ned				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	4	4	4	4	4	4
SLX100	2	-	-	3	3	3	3	3	3
Limestone & Marble Protector	2	-	-	3	3	3	3	3	3
		"Tig	ger Stripe	- Honed	d"				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	2	2	2	3	3	3
Limestone & Marble Protector	1	-	-	3	3	3	3	3	3
		"Tiger	Stripe" -	Sandbla	asted				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	4
SLX100	1	-	-	1	1	1	2	2	2
Limestone & Marble Protector	1	-	-	1	1	1	2	2	2
		"Tig	jer Stripe'	' - Flam	ed				
Treatment	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Treatment									
Untreated Control	4	-	-	4	4	4	5	5	4
	4	-	-	4	4	4	5 2	5 2	4 2
Limestone & Marble Protector Treatment Untreated Control SLX100 Limestone & Marble Protector	1 Coco- Cola 4 1 1 Coco-	- "Tiger Ketchup - - - -	- Stripe" - Mustard - - - ger Stripe'	3 Sandbla Red Wine 4 1 1 1 * - Flam	3 asted Balsamic Vinegar 4 1 1 ed Balsamic	3 Soy Sauce 4 1 1 Soy Sauce	3 Olive Oil 5 2 2 Olive Oil	3 Wesson 0il 5 2 2 2 Wesson 0il	Ho Coff 4 2 2 Ho Coff

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Test Results - Stain Repellency

				"Вι	uff" - Polis	hed			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	90%*	95%*	90%*	60%*	30%*	20%	10%	10%	50%*
4 hour	90%*	100%*	100%*	60%*	50%*	50%	10%	10%	50%*
1 hour	90%*	100%*	100%*	60%*	60%*	50%	10%	10%	50%*
10 min.	95%*	100%*	100%*	90%*	60%*	50%	10%	10%	50%*
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	100%*	95%*	95%*	100%*	100%	95%	95%	100%*
4 hour	100%*	100%*	100%*	95%*	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%*
				"Е	Buff"- Hon	ed			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	90%	95%	80%	50%	30%	30%	<1%	<1%	100%
4 hour	90%	95%	90%	50%	30%	30%	<1%	<1%	100%
1 hour	90%	100%	100%	50%	30%	30%	<1%	<1%	100%
10 min.	90%	100%	100%	50%	30%	30%	<1%	<1%	100%
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	95%	99%	99%	100%	95%	90%	100%
4 hour	100%	100%	99%	99%	99%	100%	95%	90%	100%
1 hour	100%	100%	99%	99%	99%	100%	95%	95%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	95%	100%
	Stand Off	[®] Limestor	ne & Marbl	e Protecto	r				
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	99%	100%	100%	100%	95%	90%	100%
4 hour	100%	100%	99%	100%	100%	100%	95%	95%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	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.





PROSOCO, Inc.

Test Results - Stain Repellency

				"Buff	" - Sandbl	asted			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	90%	90%	20%	20%	20%	20%	<1%	<1%	80%
4 hour	90%	90%	100%	40%	95%	100%	<1%	<1%	95%
1 hour	90%	100%	100%	40%	100%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	50%	100%	100%	<1%	<1%	100%
	Stand Off	[®] SLX100 \	Water & Oi	I Repellent	t				
	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%	75%	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%
				"В	uff" - Flam	ned			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	90%	90%	10%	10%	10%	<1%	<1%	100%
4 hour	100%	100%	100%	10%	10%	10%	<1%	<1%	100%
1 hour	100%	100%	100%	10%	10%	10%	<1%	<1%	100%
10 min.	100%	100%	100%	10%	10%	10%	<1%	<1%	100%
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	95%	95%	95%	100%	80%	80%	100%
4 hour	100%	100%	95%	95%	95%	100%	80%	80%	100%
1 hour	100%	100%	95%	95%	95%	100%	80%	80%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Stand Off	[®] Limestor	ne & Marbl	e Protecto	r				
	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%	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%





PROSOCO, Inc.

Test Results - Stain Repellency

				"Dove	White" - P	olished			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	95%*	100%*	30%*	50%*	50%*	50%	10%	10%	80%*
4 hour	95%*	100%*	100%*	50%*	50%*	50%	10%	10%	80%*
1 hour	100%*	100%*	100%*	50%*	50%*	90%	10%	10%	80%*
10 min.	100%*	100%*	100%*	90%*	90%*	90%	10%	10%	95%*
	Stand Off	® SLX100	Water & Oi	I Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%*
				"Dove	White" - I	Honed			
	Untreated	Control							_
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	90%	20%	20%	50%	50%	20%	<1%	<1%	80%
4 hour	90%	100%	100%	50%	50%	50%	<1%	<1%	80%
1 hour	90%	100%	100%	50%	50%	80%	<1%	<1%	80%
10 min.	95%	100%	100%	50%	50%	100%	<1%	<1%	90%
	Stand Off	® SLX100	Water & O	I Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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.





PROSOCO, Inc.

Test Results - Stain Repellency

				"Dove W	hite" - Sar	dblasted			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	80%	30%	100%	30%	30%	30%	<1%	<1%	80%
4 hour	80%	100%	100%	30%	30%	100%	<1%	<1%	90%
1 hour	80%	100%	100%	100%	100%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	95%	90%	90%	100%	100%	100%	100%
4 hour	100%	100%	95%	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%
				"Dove	White" - F	lamed			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	90%	60%	80%	80%	80%	100%
4 hour	100%	100%	100%	90%	60%	80%	80%	80%	100%
1 hour	100%	100%	100%	100%	90%	90%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	95%	100%	100%	100%
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%





PROSOCO, Inc.

Test Results - Stain Repellency

				"Dove Wh	ite Blush"	- Polished			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	80%*	90%*	80%*	60%*	60%*	60%	<1%	<1%	90%*
4 hour	80%*	90%*	80%*	60%*	80%*	60%	<1%	<1%	90%*
1 hour	90%*	100%*	90%*	80%*	80%*	90%	<1%	<1%	90%*
10 min.	100%*	100%*	100%*	100%*	90%*	100%	<1%	<1%	90%*
	Stand Off	® SLX100	Water & Oi	I Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%*
				"Dove W	hite Blush	" - Honed			
	Untreated	Control	r		r			r	
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	80%	90%	90%	60%	60%	60%	<1%	<1%	90%
4 hour	80%	100%	100%	60%	60%	60%	<1%	<1%	90%
1 hour	90%	100%	100%	60%	60%	90%	<1%	<1%	90%
10 min.	100%	100%	100%	60%	60%	100%	<1%	<1%	90%
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	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%
	Stand Off	[®] Limestor	ne & Marbl	e Protecto	r				
	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.





PROSOCO, Inc.

Test Results - Stain Repellency

			"	Dove White	Blush" - S	Sandblaste	ed		
	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%	40%	<1%	<1%	90%
4 hour	100%	100%	100%	80%	80%	100%	<1%	<1%	90%
1 hour	100%	100%	100%	80%	80%	100%	<1%	<1%	90%
10 min.	100%	100%	100%	80%	80%	100%	<1%	<1%	100%
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%
				"Dove Wh	nite Blush'	' - Flamed			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	60%	60%	60%	<1%	<1%	90%
4 hour	100%	100%	100%	60%	60%	60%	<1%	<1%	90%
1 hour	100%	100%	100%	60%	60%	60%	<1%	<1%	90%
10 min.	100%	100%	100%	60%	60%	60%	<1%	<1%	90%
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%





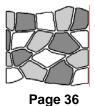
PROSOCO, Inc.

Test Results - Stain Repellency

				"Gr	ay" - Polis	hed			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	100%*	10%*	50%*	50%*	50%	<1%	<1%	80%*
4 hour	100%*	100%*	100%*	50%*	90%*	50%	<1%	<1%	80%*
1 hour	100%*	100%*	100%*	90%*	90%*	100%	<1%	<1%	90%*
10 min.	100%*	100%*	100%*	90%*	95%*	100%	<1%	<1%	100%*
	Stand Off	[®] SLX100	Water & Oi	il Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%*
				"G	iray" - Hon	ed			
	Untreated	Control	r		r			r	
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	100%*	80%*	90%*	100%*	70%	20%	20%	90%*
4 hour	100%*	100%*	100%*	90%*	100%*	90%	20%	20%	90%*
1 hour	100%*	100%*	100%*	100%*	100%*	100%	20%	20%	100%*
10 min.	100%*	100%*	100%*	100%*	100%*	100%	20%	20%	100%*
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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.





PROSOCO, Inc.

Test Results - Stain Repellency

				"Gray	" - Sandbl	asted			
	Untreated	Control		•					
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	10%	80%	80%	80%	80%	80%	100%
4 hour	100%	100%	100%	80%	80%	80%	80%	80%	100%
1 hour	100%	100%	100%	80%	80%	80%	80%	80%	100%
10 min.	100%	100%	100%	80%	80%	80%	80%	80%	100%
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%
				"G	ray" - Flan	ned			
	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%	80%	80%	80%	100%
4 hour	100%	100%	100%	80%	80%	80%	80%	80%	100%
1 hour	100%	100%	100%	80%	80%	80%	80%	80%	100%
10 min.	100%	100%	100%	80%	80%	80%	80%	80%	100%
	Stand Off	[®] SLX100 \	Water & Oi	I Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%





PROSOCO, Inc.

Test Results - Stain Repellency

				"River	Bluff" - Po	olished			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	90%*	30%*	30%*	60%*	60%*	60%	<1%	<1%	90%*
4 hour	90%*	100%*	100%*	60%*	60%*	60%	<1%	<1%	90%*
1 hour	100%*	100%*	100%*	100%*	60%*	60%	<1%	<1%	90%*
10 min.	100%*	100%*	100%*	100%*	60%*	60%	<1%	<1%	90%*
	Stand Off	[®] SLX100	Water & O	il Repellen	t				
	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	[®] Limesto	ne & Marbl	e Protecto	r				
	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%*
				"Rive	r Bluff" - H	loned			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	70%	100%	60%	60%	60%	<1%	<1%	90%
4 hour	100%	100%	100%	60%	60%	60%	<1%	<1%	90%
1 hour	100%	100%	100%	60%	60%	60%	<1%	<1%	90%
10 min.	100%	100%	100%	60%	60%	60%	<1%	<1%	90%
	Stand Off	[®] SLX100	Water & Oi	il Repellen	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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.





PROSOCO, Inc.

Test Results - Stain Repellency

				"River B	luff" - San	dblasted			
	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%	80%	80%	80%	100%
4 hour	100%	100%	100%	80%	80%	80%	80%	80%	100%
1 hour	100%	100%	100%	80%	80%	80%	80%	80%	100%
10 min.	100%	100%	100%	80%	80%	80%	80%	80%	100%
	Stand Off	[®] SLX100 \	Water & Oi	il Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%
				"Rive	r Bluff" - F	lamed			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	50%	50%	80%	80%	80%	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%	80%	80%	100%
	Stand Off	[®] SLX100	Water & Oi	il Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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

				"Tiger	Stripe" - P	olished			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%*	100%*	10%*	80%*	30%*	60%	<1%	<1%	90%*
4 hour	100%*	100%*	100%*	80%*	30%*	60%	<1%	<1%	90%*
1 hour	100%*	100%*	100%*	80%*	30%*	80%	<1%	<1%	90%*
10 min.	100%*	100%*	100%*	80%*	90%*	90%	<1%	<1%	90%*
	Stand Off	[®] SLX100	Water & Oi	il Repellent	t	_			-
	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%	70%	70%	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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%*
				"Tiger	⁻ Stripe" - I	Honed			
	Untreated	Control							-
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	90%	100%	95%	70%	30%	40%	<1%	<1%	80%
4 hour	90%	100%	95%	95%	30%	40%	<1%	<1%	100%
1 hour	90%	100%	95%	95%	70%	95%	<1%	<1%	100%
10 min.	100%	100%	100%	95%	90%	95%	<1%	<1%	100%
	Stand Off	[®] SLX100	Water & O	il Repellent	t				
	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	[®] Limestor	ne & Marbl	e Protecto	r				
	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

	"Tiger Stripe" - Sandblasted										
	Untreated Control										
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
24 hr	100%	90%	70%	30%	30%	30%	<1%	<1%	70%		
4 hour	100%	100%	90%	30%	30%	30%	<1%	<1%	70%		
1 hour	100%	100%	100%	30%	30%	30%	<1%	<1%	70%		
10 min.	100%	100%	100%	30%	30%	30%	<1%	<1%	100%		
	Stand Off	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	Stand Off [®] Limestone & Marble Protector									
	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%		
	"Tiger Stripe" - Flamed										
	Untreated Control										
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
24 hr	90%	90%	90%	30%	40%	70%	<1%	<1%	100%		
4 hour	90%	90%	90%	80%	40%	70%	<1%	<1%	100%		
1 hour	90%	100%	100%	80%	40%	70%	<1%	<1%	100%		
10 min.	100%	100%	100%	80%	40%	70%	<1%	<1%	100%		
	Stand Off [®] SLX100 Water & Oil Repellent										
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
24 hr	100%	95%	95%	95%	95%	100%	100%	100%	100%		
4 hour	100%	95%	95%	95%	95%	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	Stand Off [®] Limestone & Marble Protector									
	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%		

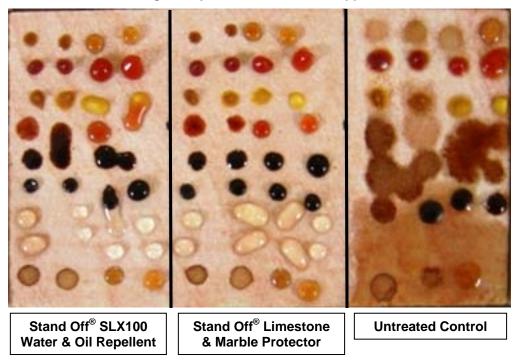




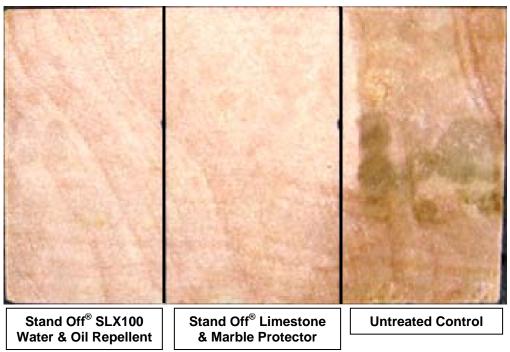
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Photographs – Stain Repellency

"Tiger Stripe" - Flamed; Stains Applied











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Conclusions – Stain Repellency

Based upon laboratory evaluations, Stand Off[®] SLX100 Water & Oil Repellent and Stand Off[®] Limestone & Marble Protector improved the surface beading of the submitted samples. In addition, Stand Off[®] SLX100 Water & Oil Repellent and Stand Off[®] Limestone & Marble Protector were effective in repelling the staining agents from the submitted samples. Neither product altered the appearance of the submitted samples in any way.

Recommendations – Stain Repellency

Recommendations for stain repellency for the dolomitic limestone submitted by Valders Stone & Marble, Inc., Valders, WI are provided in the chart below. Recommendations are based on the treatments that proved most effective for providing stain repellency on the samples submitted.

Sample	Stain Repellent	Maintenance Cleaner
All Submitted Samples	Stand Off [®] SLX100 Water & Oil Repellent OR Stand Off [®] Limestone & Marble Protector	Enviro Klean [®] 2010 All Surface Cleaner (1:10)

The ability of a stain repellent treatment to prevent staining is affected by a variety of factors. Therefore, onsite 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.

Christopher A. Moore Project Testing Laboratory Technician

CAM





PROSOCO, Inc.

Valders Stone & Marble, Inc. Valders, WI

Project No. 0510-10 PTP

Prepared For:

Valders Stone & Marble, Inc. 318 Washington St. Valders, WI 54245

Prepared By:

PROSOCO, Inc. January 2006