

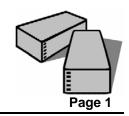
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#### **Attachments**

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





### **Submitted Information**

For: Mark O' Keefe cc: Paul Tessier

Subject: McNear Brick & Block

San Rafael, CA

**Date:** July 8, 2005

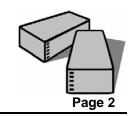
**Project:** 0504-11 PTP

**Samples Submitted:** 20 types of clay pavers.

Sample	Color	Finish	Size
"(Light Flash) Iron Spot Standard Solid"	Tan/Orange w/ Black Spots	Wire-cut	8" x 3½" x 2½"
"Black Hills Standard Solid"	Red w/ Black coating	Engobe	0 X 3/2 X 2/2
"Canyon Standard Bullnose"	Tan/Brown	Smooth	8¾" x 3¼" x 2¼"
"Canyon Standard Solid"	Tan/Brown	Wire-cut	
"Green Hills Standard Solid"	Red/White	Engobe	
"McNear Flash Standard Solid"	Tan	Wire-cut	
"McNear Red Standard Solid"	Red	Wire-cut	
"Peacock Standard Solid"	Brown/Dark Brown	Wire-cut	
"Red Iron Spot Standard Solid"	Red w/ Black Spots	Wire-cut	
"Red Ruffle Standard Solid"	Red/Brown	Wire-cut	8" x 3½" x 2½"
"Repress Red Iron Spot Standard"	Red w/ Black spots	Wire-cut	
"Rustic Standard Solid"	Red/Pink w/ White Sand	Engobe/Sand Slurry	
"Sacramento Rustic Standard Solid"	Red/Dark Red w/ Pink Sand	Engobe/Sand Slurry	
"Sanded Tudor Flash Standard Solid"	Tan/Red w/ White Sand	Sand	
"Santa Cruz Standard Solid"	Brown	Wire-cut	
"Santa Fe Rustic Standard Solid"	Red/Brown/White	Engobe	
"Sepia Standard Bullnose"	Dark Brown	Smooth	8¾" x 3¼" x 2¼"
"Sepia Standard Solid"	Dark Brown	Wire-cut	8" x 3½" x 2½"
"Tuscan Standard Bullnose"	Orange	Smooth	8¾" x 3¼" x 2¼"
"Tuscan Standard Solid"	Orange	Wire-cut	8" x 3½" x 2½"

Submitted by: Mark O'Keefe





### **Purpose of Testing**

Twenty types of clay pavers 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, stain repellents and color enhancement products suitable for clay pavers were evaluated.

**New Construction Cleaning** – Enviro Klean<sup>®</sup> Safety Klean and either Sure Klean<sup>®</sup> Vana Trol<sup>®</sup> or Sure Klean<sup>®</sup> 600 Detergent were evaluated for removal of laboratory applied mortar while limiting surface alterations to the decorative finish. The surface alteration evaluation was visually determined based upon perceived discoloration or erosion/etching of the samples.

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

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

A visual examination was also made to determine if the tested cleaners caused any surface alterations to the submitted clay pavers 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.

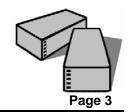
<u>Staining</u> is the visual examination for changes that are the result of a chemical reaction that leaves a staining precipitate.

**Water Repellent Evaluation** – Consolideck<sup>®</sup> Saltguard<sup>®</sup> WB and Stand Off<sup>®</sup> SLX100 Water & Oil Repellent were evaluated on the submitted samples for their ability to provide water repellency.

**Stain Repellency** – Stand Off<sup>®</sup> Stone, Tile & Masonry Protector (STMP) and Stand Off<sup>®</sup> SLX100 Water & Oil Repellent were evaluated on the submitted samples for their ability to repel stains.

**Color Enhancement** – Sure Klean<sup>®</sup> Sand Joint Stabilizer was evaluated for its ability to provide color enhancement to the submitted samples.





### **Products Evaluated**

### **New Construction Cleaning Products Evaluated**

Sample	Product	Dilution
"(Light Flash) Iron Spot Standard Solid" "Black Hills Standard Solid" "Canyon Standard Bullnose" "Canyon Standard Solid" "Green Hills Standard Solid" "McNear Flash Standard Solid" "Peacock Standard Solid" "Red Iron Spot Standard Solid" "Red Ruffle Standard Solid"	Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6, 1:8
"Repress Red Iron Spot Standard" "Rustic Standard Solid" "Sacramento Rustic Standard Solid" "Sanded Tudor Flash Standard Solid" "Santa Cruz Standard Solid" "Sepia Standard Bullnose" "Sepia Standard Solid" "Tuscan Standard Bullnose" "Tuscan Standard Solid"	Enviro Klean <sup>®</sup> Safety Klean	1:2, 1:3
"McNear Red Standard Solid"	Sure Klean <sup>®</sup> 600 Detergent	1:6, 1:8
"Santa Fe Rustic Standard Solid"	Enviro Klean <sup>®</sup> Safety Klean	1:2, 1:3

### **Water Repellent Products Evaluated**

Sample	Product	Dilution
All Submitted Clay Pavers	Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	Concentrate
All Submitted Clay Pavers	Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	Concentrate

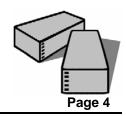
### **Stain Repellent Products Evaluated**

Sample	Product	Dilution
All Submitted Clay Pavers	Stand Off <sup>®</sup> Stone, Tile & Masonry Protector (STMP)	Concentrate
All Submitted Oldy Favers	Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	Concentrate

#### **Color Enhancement Products Evaluated**

Sample	Product	Dilution
All Submitted Clay Pavers	Sure Klean <sup>®</sup> Sand Joint Stabilizer	Concentrate





### New Construction Cleaning

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

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

#### <u>Description of Products Evaluated</u> - New Construction Cleaning

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

**Sure Klean® 600 Detergent** – A general purpose, concentrated acidic cleaner for brick, tile and concrete surfaces. 600 Detergent dissolves mortar smears and construction dirt quickly, leaving the masonry clean and uniform with no acid burning or streaking.

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

#### **Test Method – New Construction Cleaning**

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

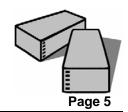
- 1. Pre-wet the surface with water.
- 2. Apply the cleaner.
- 3. Allow the appropriate dwell time, as specified.

Sure Klean Vana Trol Limited Sure Klean Vana Trol	3-5 minutes
Sure Klean® 600 Detergent	3-5 minutes
Enviro Klean® Safety Klean	3-5 minutes

4. Pressure rinse thoroughly.\*

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



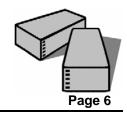


### **Test Results** – New Construction Cleaning

% removal

"(Light Fla	sh) Iron Spot	Standard So	olid"	
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	98%	98%	98%
Sure Klean® Vana Trol®	1:8	95%	95%	90%
Enviro Klean® Safety Klean	1:2	95%	98%	90%
Enviro Klean <sup>®</sup> Safety Klean Enviro Klean <sup>®</sup> Safety Klean	1:3	95%	95%	85%
"Blac	k Hills Stand	ard Solid"		
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	98%	99%	98%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	98%	98%	95%
Enviro Klean® Safety Klean	1:2	99%	99%	99%
Enviro Klean® Safety Klean	1:3	95%	95%	95%
"Can	yon Standard	Bullnose"		
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	100%	100%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	100%	100%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	100%	100%
	nyon Standar	d Solid"	•	
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	98%	98%	98%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	98%	95%	95%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	100%	100%
Enviro Klean <sup>®</sup> Safety Klean	1:3	95%	95%	85%
"Gree	en Hills Stand	ard Solid"		
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	100%	95%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	98%	95%
Enviro Klean® Safety Klean	1:2	100%	100%	95%
Enviro Klean® Safety Klean	1:3	100%	98%	95%
"McNe	ar Flash Stan	dard Solid"		
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	98%	98%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	98%	98%
Enviro Klean® Safety Klean	1:2	99%	99%	95%
Enviro Klean <sup>®</sup> Safety Klean	1:3	98%	98%	90%
	ear Red Stand	dard Solid"		
Product	Dilution	7 day	14 day	21 day
Sure Klean® 600 Detergent	1:6	99%	95%	95%
Sure Klean® 600 Detergent	1:8	99%	90%	90%
Enviro Klean® Safety Klean	1:2	95%	95%	95%
Enviro Klean <sup>®</sup> Safety Klean	1:3	95%	90%	90%



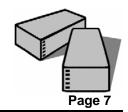


### **Test Results** – New Construction Cleaning

% removal

"Pea	cock Standa	rd Solid"		
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	95%	100%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	95%	98%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	100%	95%
Enviro Klean <sup>®</sup> Safety Klean	1:3	95%	95%	90%
	on Spot Stan	dard Solid"	•	
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	100%	100%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	90%	90%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	95%	95%
Enviro Klean® Safety Klean	1:3	95%	90%	90%
"Red	Ruffle Stand	ard Solid"		
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	95%	95%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	98%	95%	95%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	100%	95%
Enviro Klean® Safety Klean	1:3	100%	99%	95%
"Repress	s Red Iron Sp	ot Standard	<b>'</b> "	
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	98%	95%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	95%	90%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	95%	90%
Enviro Klean <sup>®</sup> Safety Klean	1:3	99%	95%	80%
"Rı	ıstic Standar	d Solid"		
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	100%	95%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	100%	90%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	100%	95%
Enviro Klean <sup>®</sup> Safety Klean	1:3	100%	99%	90%
"Sacrame	ento Rustic St	andard Sol	id"	
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	100%	100%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	100%	98%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	100%	95%
Enviro Klean <sup>®</sup> Safety Klean	1:3	100%	100%	95%
"Sanded T	udor Flash S	tandard So	lid"	
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	100%	100%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	95%	95%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	100%	100%
Enviro Klean® Safety Klean	1:3	100%	98%	98%





### **Test Results** – New Construction Cleaning

% removal

"Sant	a Cruz Stand	ard Solid"		
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	99%	95%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	98%	90%
Enviro Klean <sup>®</sup> Safety Klean	1:2	98%	99%	95%
Enviro Klean® Safety Klean	1:3	98%	95%	85%
"Santa I	e Rustic Sta	ndard Solid	,,	
Product	Dilution	7 day	14 day	21 day
Sure Klean® 600 Detergent	1:6	100%	100%	95%
Sure Klean® 600 Detergent	1:8	100%	99%	95%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	100%	98%
Enviro Klean® Safety Klean	1:3	100%	100%	98%
"Sep	ia Standard E	Bullnose"	•	
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	100%	95%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	100%	95%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	100%	98%
Enviro Klean <sup>®</sup> Safety Klean	1:3	100%	95%	95%
"Se	epia Standard	d Solid"		
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	98%	98%	95%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	98%	98%	95%
Enviro Klean® Safety Klean	1:2	95%	95%	90%
Enviro Klean <sup>®</sup> Safety Klean	1:3	95%	95%	90%
"Tuso	an Standard	Bullnose"		
Product	Dilution	7 day	14 day	21 day
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	100%	100%	100%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	100%	100%
Enviro Klean <sup>®</sup> Safety Klean	1:2	100%	100%	100%
Enviro Klean <sup>®</sup> Safety Klean	1:3	100%	100%	100%
"Tu	scan Standar	d Solid"		
Product	Dilution	7 day	14 day	21 day
Sure Klean® Vana Trol®	1:6	100%	100%	100%
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	100%	100%	95%
Enviro Klean® Safety Klean	1:2	100%	100%	100%
Enviro Klean <sup>®</sup> Safety Klean	1:3	100%	100%	98%





**Test Results** – Limiting Surface Alterations

Substrate: Clay Paver		Pigment Color:	"(Light Flash) Ir	on Spot Stand	lard Solid"
Decduct	Dilution	Surface Finish	Substrate	Color	Ctaining
Product	Dilution	Removal	Deterioration	Change	Staining
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	0	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	0	0	0	0
Enviro Klean <sup>®</sup> Safety Klean	1:2	0	0	0	0
Enviro Klean <sup>®</sup> Safety Klean	1:3	0	0	0	0
Substrate: Clay Paver	•	Pigment Color:	"Black Hills Sta	ndard Solid"	
Product	Dilution	Surface Finish	Substrate	Color	Staining
	Dilution	Removal	Deterioration	Change	Staining
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	0	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	0	0	0	0
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
Substrate: Clay Paver		Pigment Color:	"Canyon Stand	ard Bullnose"	
Product	Dilution	Surface Finish	Substrate	Color	Staining
Product	Dilution	Removal	Deterioration	Change	Staining
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	0	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	0	0	0	0
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean <sup>®</sup> Safety Klean	1:3	0	0	0	0
Substrate: Clay Paver		Pigment Color:	"Canyon Stand	ard Solid"	
Product	Dilution	Surface Finish	Substrate	Color	Stoining
	Dilution	Removal	Deterioration	Change	Staining
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	0	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	•		0	
Juic Mean Valla IIVI	1.0	0	0	0	0
Enviro Klean <sup>®</sup> Safety Klean	1:2	0	0	0	0
Enviro Klean <sup>®</sup> Safety Klean			_		
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver	1:2	0	0	0	0
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver	1:2	0	0	0	0
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product	1:2	0 0 Pigment Color:	0 0 "Green Hills Sta	0 0 andard Solid"	0
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product Sure Klean® Vana Trol®	1:2	0 0 <b>Pigment Color:</b> Surface Finish	0 0 "Green Hills Sta Substrate	0 0 andard Solid" Color	0
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product Sure Klean® Vana Trol® Sure Klean® Vana Trol®	1:2 1:3 Dilution	0 0 Pigment Color: Surface Finish Removal	0 0 "Green Hills Sta Substrate Deterioration	0 0 andard Solid" Color Change	0 0 Staining
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean	1:2 1:3 Dilution 1:6	0 0 Pigment Color: Surface Finish Removal 2	0 0 "Green Hills Sta Substrate Deterioration 0	0 0 andard Solid" Color Change 0	0 0 Staining
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean	1:2 1:3 Dilution 1:6 1:8	0 0 Pigment Color: Surface Finish Removal 2 2	0 0 "Green Hills Sta Substrate Deterioration 0	0 0 andard Solid" Color Change 0	0 0 Staining 0
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product Sure Klean® Vana Trol® Sure Klean® Vana Trol®	1:2 1:3 Dilution 1:6 1:8 1:2	0 0 Pigment Color: Surface Finish Removal 2 2 2	0 0 "Green Hills Sta Substrate Deterioration 0 0	0 0 andard Solid" Color Change 0 0	0 0 Staining 0 0 0
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver	1:2 1:3 Dilution 1:6 1:8 1:2 1:3	0 0 Pigment Color: Surface Finish Removal 2 2 2 2	0 0 "Green Hills Sta Substrate Deterioration 0 0	0 0 andard Solid" Color Change 0 0	0 0 Staining 0 0 0 0
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Product	1:2 1:3 Dilution 1:6 1:8 1:2	0 0 Pigment Color: Surface Finish Removal 2 2 2 Pigment Color:	0 0 "Green Hills Sta Substrate Deterioration 0 0 0	0 0 andard Solid" Color Change 0 0 0	0 0 Staining 0 0 0
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol®	1:2 1:3 Dilution 1:6 1:8 1:2 1:3 Dilution 1:6	0 0 Pigment Color: Surface Finish Removal 2 2 2 Pigment Color: Surface Finish Removal 0	0 0 "Green Hills Standard Substrate Deterioration 0 0 0 0 "McNear Flash Substrate Deterioration 0	0 0 andard Solid" Color Change 0 0 0 Standard Solid Color Change 0	0 0 Staining 0 0 0 0
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol®	1:2 1:3 Dilution 1:6 1:8 1:2 1:3 Dilution 1:6 1:8	0 0 Pigment Color: Surface Finish Removal 2 2 2 Pigment Color: Surface Finish Removal	0 0 "Green Hills Standard Substrate Deterioration 0 0 0 0 "McNear Flash Substrate Deterioration	0 0 andard Solid" Color Change 0 0 0 0 Standard Solid Color Change	O O Staining O O O O d" Staining
Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol®	1:2 1:3 Dilution 1:6 1:8 1:2 1:3 Dilution 1:6	0 0 Pigment Color: Surface Finish Removal 2 2 2 Pigment Color: Surface Finish Removal 0	0 0 "Green Hills Standard Substrate Deterioration 0 0 0 0 "McNear Flash Substrate Deterioration 0	0 0 andard Solid" Color Change 0 0 0 Standard Solid Color Change 0	O O Staining O O O O d" Staining

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

0 – no change 1 – slight

3 - heavy

4 - excessive





**Test Results** – Limiting Surface Alterations

Substrate: Clay Paver		Pigment Color:	"McNear Red S	Standard Solid'	,
Draduct	Dilution	Surface Finish	Substrate	Color	Ctaining
Product	Dilution	Removal	Deterioration	Change	Staining
Sure Klean® 600 Detergent	1:6	0	0	0	0
Sure Klean® 600 Detergent	1:8	0	0	0	0
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean <sup>®</sup> Safety Klean	1:3	0	0	0	0
Substrate: Clay Paver	•	Pigment Color:	"Peacock Stand	dard Solid"	
Product	Dilution	Surface Finish	Substrate	Color	Staining
	Dilution	Removal	Deterioration	Change	Staining
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	0	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	0	0	0	0
Enviro Klean <sup>®</sup> Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
Substrate: Clay Paver		Pigment Color:	"Red Iron Spot	Standard Solid	d"
Product	Dilution	Surface Finish	Substrate	Color	Staining
Product	Dilution	Removal	Deterioration	Change	Staining
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	0	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	0	0	0	0
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean <sup>®</sup> Safety Klean	1:3	0	0	0	0
Substrate: Clay Paver		Pigment Color:	"Red Ruffle Sta	andard Solid"	
Product	Dilution	Surface Finish	Substrate	Color	Staining
	Dilution	Removal	Deterioration	Change	Staining
Sure Klean <sup>®</sup> Vana Trol <sup>™</sup>	1:6	0	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6 1:8		0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> Enviro Klean <sup>®</sup> Safety Klean		0			
Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean	1:8	0	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> Enviro Klean <sup>®</sup> Safety Klean	1:8 1:2	0 0 0	0	0 0	0 0 0
Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver	1:8 1:2 1:3	0 0 0 0	0 0 0	0 0	0 0 0 dard"
Sure Klean® Vana Trol®  Enviro Klean® Safety Klean  Enviro Klean® Safety Klean  Substrate: Clay Paver  Product	1:8 1:2	0 0 0 0 Pigment Color:	0 0 0 "Repress Red I	0 0 0 ron Spot Stan	0 0 0
Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product Sure Klean® Vana Trol®	1:8 1:2 1:3	0 0 0 0 Pigment Color: Surface Finish	0 0 0 "Repress Red I Substrate	0 0 0 ron Spot Stand Color	0 0 0 dard"
Sure Klean® Vana Trol®  Enviro Klean® Safety Klean Enviro Klean® Safety Klean  Substrate: Clay Paver  Product  Sure Klean® Vana Trol®  Sure Klean® Vana Trol®	1:8 1:2 1:3 Dilution	0 0 0 Pigment Color: Surface Finish Removal	0 0 0 "Repress Red I Substrate Deterioration	0 0 0 ron Spot Stand Color Change	0 0 0 dard" Staining
Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean	1:8 1:2 1:3 Dilution 1:6	0 0 0 Pigment Color: Surface Finish Removal	0 0 0 "Repress Red I Substrate Deterioration 0	0 0 0 ron Spot Stan Color Change 0	0 0 0 dard" Staining
Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product Sure Klean® Vana Trol®	1:8 1:2 1:3 Dilution 1:6 1:8	0 0 0 0 Pigment Color: Surface Finish Removal 0	0 0 0 "Repress Red I Substrate Deterioration 0	0 0 0 ron Spot Stand Color Change 0	0 0 0 dard" Staining 0
Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean	1:8 1:2 1:3 Dilution 1:6 1:8 1:2	0 0 0 0 Pigment Color: Surface Finish Removal 0 0	0 0 0 "Repress Red I Substrate Deterioration 0 0	0 0 0 ron Spot Stand Color Change 0 0	0 0 0 dard" Staining 0 0
Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver	1:8 1:2 1:3 Dilution 1:6 1:8 1:2 1:3	0 0 0 Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish	0 0 0 "Repress Red I Substrate Deterioration 0 0 0 "Rustic Standa Substrate	0 0 0 ron Spot Stand Color Change 0 0 0 0 0 rd Solid"	0 0 0 dard" Staining 0 0 0
Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product	1:8 1:2 1:3 Dilution 1:6 1:8 1:2 1:3	0 0 0 Pigment Color: Surface Finish Removal 0 0 0 Pigment Color:	0 0 0 "Repress Red I Substrate Deterioration 0 0	0 0 0 ron Spot Stand Color Change 0 0 0 0 rd Solid" Color Change	0 0 0 dard" Staining 0 0 0
Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol®	1:8 1:2 1:3 Dilution 1:6 1:8 1:2 1:3 Dilution 1:6	0 0 0 0 Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish Removal 1	0 0 0 "Repress Red I Substrate Deterioration 0 0 0 "Rustic Standa Substrate Deterioration	0 0 0 ron Spot Stand Color Change 0 0 0 color Change Color Change O color Change O color Change	0 0 0 dard" Staining 0 0 0 Staining
Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol®	1:8 1:2 1:3 Dilution 1:6 1:8 1:2 1:3 Dilution 1:6 1:8	0 0 0 Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish	0 0 0 "Repress Red I Substrate Deterioration 0 0 0 "Rustic Standa Substrate Deterioration 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 ron Spot Stand Color Change 0 0 0 rof Solid" Color Change Change 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 dard" Staining 0 0 0 Staining 0 0 0
Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol®	1:8 1:2 1:3 Dilution 1:6 1:8 1:2 1:3 Dilution 1:6	0 0 0 0 Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish Removal 1	0 0 0 "Repress Red I Substrate Deterioration 0 0 0 "Rustic Standa Substrate Deterioration	0 0 0 ron Spot Stand Color Change 0 0 0 color Change Color Change O color Change O color Change	0 0 0 dard" Staining 0 0 0 Staining

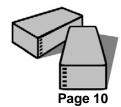
The following is the scale used for reporting results of all categories:

0 – no change 1 – slight

3 - heavy

4 - excessive





### **Test Results** – Limiting Surface Alterations

Substrate: Clay Paver		Pigment Color:	"Sacramento R	ustic Standard	d Solid"
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	1	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	0	0	0	0
Enviro Klean <sup>®</sup> Safety Klean	1:2	1	0	0	0
Enviro Klean <sup>®</sup> Safety Klean	1:3	0	0	0	0
Substrate: Clay Paver		Pigment Color:	"Sanded Tudor	Flash Standa	rd Solid"
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	0	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	0	0	0	0
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
Substrate: Clay Paver		Pigment Color:	"Santa Cruz Sta	andard Solid"	
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	0	0	0	0
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	0	0	0	0
Enviro Klean® Safety Klean	1:2	0	0	0	0
Enviro Klean® Safety Klean	1:3	0	0	0	0
oracan Saloty Mount			_	-	
Substrate: Clay Paver	1.0	Pigment Color:	"Santa Fe Rust	ic Standard So	
Substrate: Clay Paver Product	Dilution		_	ic Standard So Color	
Substrate: Clay Paver Product	· 	Pigment Color: Surface Finish	"Santa Fe Rust Substrate	ic Standard So	olid"
Substrate: Clay Paver	Dilution	Pigment Color: Surface Finish Removal	"Santa Fe Rust Substrate Deterioration	ic Standard So Color Change	olid" Staining
Substrate: Clay Paver Product Sure Klean® 600 Detergent Sure Klean® 600 Detergent	Dilution 1:6	Pigment Color: Surface Finish Removal 0	"Santa Fe Rust Substrate Deterioration 0	ic Standard So Color Change 0	Staining
Substrate: Clay Paver Product Sure Klean® 600 Detergent	Dilution 1:6 1:8	Pigment Color: Surface Finish Removal 0 0	"Santa Fe Rust Substrate Deterioration 0 0	ic Standard So Color Change 0	Staining  0 0
Product  Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean	Dilution  1:6  1:8  1:2	Pigment Color: Surface Finish Removal 0 0	"Santa Fe Rust Substrate Deterioration 0 0 0	ic Standard So Color Change 0 0 0	Staining  0 0 0
Substrate: Clay Paver Product Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product	Dilution  1:6  1:8  1:2	Pigment Color: Surface Finish Removal 0 0 0 0	"Santa Fe Rust Substrate Deterioration 0 0 0 0	ic Standard So Color Change 0 0 0	Staining  0 0 0
Product  Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product Sure Klean® Vana Trol®	Dilution 1:6 1:8 1:2 1:3	Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish	"Santa Fe Rust Substrate Deterioration 0 0 0 0 "Sepia Standar Substrate	ic Standard So Color Change 0 0 0 0 0 d Bullnose"	Staining  0 0 0 0
Substrate: Clay Paver Product Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product	Dilution  1:6  1:8  1:2  1:3  Dilution	Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish Removal	"Santa Fe Rust Substrate Deterioration 0 0 0 0 "Sepia Standar Substrate Deterioration	ic Standard So Color Change 0 0 0 0 d Bullnose" Color Change	Staining  0 0 0 0 0 Staining
Product  Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product Sure Klean® Vana Trol®	Dilution  1:6  1:8  1:2  1:3  Dilution  1:6	Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish Removal 0	"Santa Fe Rust Substrate Deterioration 0 0 0 0 "Sepia Standar Substrate Deterioration 0	ic Standard So Color Change 0 0 0 0 d Bullnose" Color Change 0	Staining  0 0 0 0 0 Staining
Product  Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product Sure Klean® Vana Trol® Sure Klean® Vana Trol®	Dilution  1:6 1:8 1:2 1:3  Dilution 1:6 1:8	Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish Removal 0 0	"Santa Fe Rust Substrate Deterioration 0 0 0 "Sepia Standar Substrate Deterioration 0 0	ic Standard So Color Change 0 0 0 0 d Bullnose" Color Change 0	Staining  0 0 0 0 0 Staining
Product  Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver Product Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean	Dilution  1:6 1:8 1:2 1:3  Dilution  1:6 1:8 1:2	Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish Removal 0 0 0 0 0 0 0 0 0 0 0	"Santa Fe Rust Substrate Deterioration 0 0 0 "Sepia Standar Substrate Deterioration 0 0 0	ic Standard So Color Change 0 0 0 0 d Bullnose" Color Change 0 0	Staining  0 0 0 0 0 Staining 0 0 0 0
Product  Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Froduct  Product	Dilution  1:6 1:8 1:2 1:3  Dilution  1:6 1:8 1:2	Pigment Color: Surface Finish Removal  0 0 0 Pigment Color: Surface Finish Removal 0 0 0 0 0 0 0 0 0 0 0 0 0 0	"Santa Fe Rust Substrate Deterioration 0 0 0 "Sepia Standar Substrate Deterioration 0 0 0 0	ic Standard So Color Change 0 0 0 0 d Bullnose" Color Change 0 0	Staining  0 0 0 0 0 Staining 0 0 0 0
Product  Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Sure Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol®	Dilution  1:6 1:8 1:2 1:3  Dilution  1:6 1:8 1:2 1:3  Dilution  1:6 1:8 1:2 1:3	Pigment Color: Surface Finish Removal  0 0 0 Pigment Color: Surface Finish Removal 0 0 Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish Removal 0	"Santa Fe Rust Substrate Deterioration 0 0 0 "Sepia Standar Substrate Deterioration 0 0 0 "Sepia Standar Substrate Deterioration Substrate Deterioration	ic Standard So Color Change 0 0 0 0 d Bullnose" Color Change 0 0 0 d Solid" Color Change	Staining  0 0 0 0 0 Staining  0 0 0 0 0 0 0 0 0 0 0
Product  Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol®	Dilution  1:6 1:8 1:2 1:3  Dilution  1:6 1:8 1:2 1:3  Dilution  1:6 1:8  1:6 1:8	Pigment Color: Surface Finish Removal  0 0 0 0 Pigment Color: Surface Finish Removal  0 0 0 Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish Removal 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	"Santa Fe Rust Substrate Deterioration 0 0 0 0 "Sepia Standar Substrate Deterioration 0 0 0 "Sepia Standar Substrate Deterioration 0 0 0 "Sepia Standar Substrate Deterioration 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ic Standard Social Color Change  0 0 0 0 0 d Bullnose" Color Change 0 0 0 d Solid" Color Change 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Staining  O O O Staining  O O Staining  O O O O O O O O O O O O O O O O O O
Product  Sure Klean® 600 Detergent Sure Klean® 600 Detergent Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol® Sure Klean® Vana Trol® Enviro Klean® Safety Klean Enviro Klean® Safety Klean Sure Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Enviro Klean® Safety Klean Substrate: Clay Paver  Product  Sure Klean® Vana Trol®	Dilution  1:6 1:8 1:2 1:3  Dilution  1:6 1:8 1:2 1:3  Dilution  1:6 1:8 1:2 1:3	Pigment Color: Surface Finish Removal  0 0 0 Pigment Color: Surface Finish Removal 0 0 Pigment Color: Surface Finish Removal 0 0 0 Pigment Color: Surface Finish Removal 0	"Santa Fe Rust Substrate Deterioration 0 0 0 "Sepia Standar Substrate Deterioration 0 0 0 "Sepia Standar Substrate Deterioration 0 0 0 Usepia Standar Substrate Deterioration 0 0 0 0 Usepia Standar	ic Standard So Color Change 0 0 0 0 d Bullnose" Color Change 0 0 0 d Solid" Color Change	Staining  O O O Staining  O O Staining  O Staining  O O O O O O O O O O O O O O O O O O

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

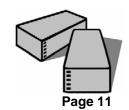
0 – no change

3 - heavy

1 – slight

4 - excessive





### **Test Results** – Limiting Surface Alterations

Substrate: Clay Paver		Pigment Color:	: "Tuscan Standard Bullnose"			
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining	
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:6	0	0	0	0	
Sure Klean <sup>®</sup> Vana Trol <sup>®</sup>	1:8	0	0	0	0	
Enviro Klean® Safety Klean	1:2	0	0	0	0	
Enviro Klean® Safety Klean	1:3	0	0	0	0	
Substrate: Clay Paver		Pigment Color:	"Tuscan Standa	ard Solid"		
Substrate: Clay Paver Product	Dilution	Pigment Color: Surface Finish Removal	"Tuscan Standa" Substrate Deterioration	ard Solid" Color Change	Staining	
Product Sure Klean® Vana Trol®	Dilution 1:6	Surface Finish	Substrate	Color	Staining 0	
Product		Surface Finish	Substrate	Color	Staining 0 0	
Product Sure Klean® Vana Trol®	1:6	Surface Finish	Substrate	Color	Staining 0 0 0	

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

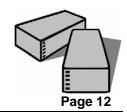
0 - no change

3 - heavy

1 – slight

4 - excessive





#### **Photographs** – New Construction Cleaning

"Tuscan Standard Solid"; 7 Day Cleaning



### "Tuscan Standard Solid"; 14 Day Cleaning







**Photographs** - New Construction Cleaning

"Tuscan Standard Solid"; 21 Day Cleaning

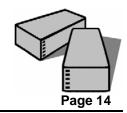


#### **Photographs** – Limiting Surface Alterations

"Tuscan Standard Solid"; Limiting Surface Alterations







#### **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 N mortar soils even after allowing the mortar to remain on the surface of the samples for 21 days under ideal curing conditions. In addition, test results indicate that the evaluated cleaners caused no noticeable surface alterations on all of the submitted clay pavers except \*"Green Hills Standard Solid," "Rustic Standard Solid" and "Sacramento Rustic Standard Solid."

\*NOTE: Both dilutions of Sure Klean<sup>®</sup> Vana Trol<sup>®</sup> and Enviro Klean<sup>®</sup> Safety Klean tested removed moderate amounts of the decorative finish from the surface of the "Green Hills Standard Solid" clay pavers. Therefore, no cleaning recommendations can be made at this time.

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

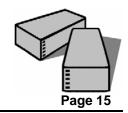
#### **Recommendations** - New Construction Cleaning

Recommendations for cleaning for the clay pavers submitted by McNear Brick & Block, San Rafael, CA 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)
"Black Hills Standard Solid"  "Canyon Standard Bullnose"  "McNear Flash Standard Solid"  "Peacock Standard Solid"  "Red Iron Spot Standard Solid"  "Red Ruffle Standard Solid"  "Sanded Tudor Flash Standard Solid"  "Sepia Standard Bullnose"  "Sepia Standard Solid"  "Tuscan Standard Bullnose"  "Tuscan Standard Solid"	Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> (1:6) OR (1:8) OR Enviro Klean <sup>®</sup> Safety Klean (1:2) OR (1:3)
"(Light Flash) Iron Spot Standard Solid" "Canyon Standard Solid" "Repress Red Iron Spot Standard" "Santa Cruz Standard Solid"	Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> (1:6) OR (1:8) OR Enviro Klean <sup>®</sup> Safety Klean (1:2)
"Rustic Standard Solid" "Sacramento Rustic Standard Solid"	Sure Klean <sup>®</sup> Vana Trol <sup>®</sup> (1:8) OR Enviro Klean <sup>®</sup> Safety Klean (1:3)
"McNear Red Standard Solid" "Santa Fe Rustic Standard Solid"	Sure Klean <sup>®</sup> 600 Detergent (1:6) OR (1:8) OR Enviro Klean <sup>®</sup> Safety Klean (1:2) OR (1:3)
"Green Hills Standard Solid"	*No Recommendations (See <b>NOTE</b> in Conclusions)

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.





### **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

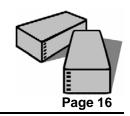
**Consolideck® Saltguard® WB** – A ready-to-use water-based, VOC compliant silane/siloxane water repellent and "chloride screen" for the protection of concrete and masonry surfaces. Saltguard® WB penetrates more deeply than conventional water- or solvent-based water repellents. Low odor and alkaline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

**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.

#### Sample Preparation – Protective Water Repellents

The submitted pavers were scored, allowed to dry, and to reabsorb atmospheric humidity for 24 hours prior to treatment. Both products were applied by brush in accordance with the recommendations in PROSOCO, Inc.'s 2005 Product Guide. Both treatments were allowed to cure for at least 14 days prior to testing.





#### **Test Methods** - Protective Water Repellents

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

The water absorption tube test simulating wind driven and wind blown rain conditions was performed. Tests were run with horizontal 5.0-milliliter head pressures. Filled to 5 milliliters, a water absorption tube produces a 103 mph dynamic wind pressure. See RILEM II.4 Tech Note for additional information.

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

- **AA** = "Above Average" correlates to less than or equal to 20% of the maximum untreated absorption.
- **A** = "Average" correlates to less than or equal to 50% of the maximum untreated absorption.
- **BA** = "Below Average" correlates to greater than 50% of the maximum untreated absorption.

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

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

5 ml X 20% = 1 ml

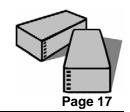
A rating of **A** Average water repellent performance would require loss of less than or equal to:

5 ml X 50% = 2.5 ml

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

5 ml X 50% = 2.5ml





**Test Results** – Protective Water Repellents

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

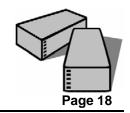
**AA** = Above Average

A = Average

**BA** = Below Average

"(Light Flash) Iron Spot Standard Solid"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	<u>AA</u>
Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Black Hills Standard Solid"	Results in mL loss	Ranking
Untreated Control	-1.0	
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	<u>AA</u>
Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Canyon Standard Bullnose"	Results in mL loss	Ranking
Untreated Control	-0.0	
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	<u>AA</u>
Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Canyon Standard Solid"	Results in mL loss	Ranking
Untreated Control	-0.0	
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	AA
Stand Off® SLX100 Water & Oil Repellent	-0.0	AA
"Green Hills Standard Solid"	Results in mL loss	Ranking
	Nesults III IIIL 1033	Nalikiliy
Untreated Control	-5.0	
Untreated Control Consolideck® Saltguard® WB		 <u>A</u>
Untreated Control	-5.0	
Untreated Control Consolideck® Saltguard® WB	-5.0 -1.3	 <u>A</u>
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent "McNear Flash Standard Solid" Untreated Control	-5.0 -1.3 -0.0	 <u>A</u> <u>AA</u>
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent "McNear Flash Standard Solid"	-5.0 -1.3 -0.0 Results in mL loss	 <u>A</u> <u>AA</u>
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent "McNear Flash Standard Solid" Untreated Control	-5.0 -1.3 -0.0 Results in mL loss -0.5	 A AA Ranking
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Flash Standard Solid"  Untreated Control Consolideck® Saltguard® WB	-5.0 -1.3 -0.0 Results in mL loss -0.5 -0.0	<u>A</u> <u>AA</u> <u>Ranking</u> <u>AA</u>
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Flash Standard Solid"  Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent	-5.0 -1.3 -0.0 Results in mL loss -0.5 -0.0	A AA Ranking AA AA
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Flash Standard Solid" Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Red Standard Solid"	-5.0 -1.3 -0.0  Results in mL loss -0.5 -0.0 -0.0  Results in mL loss	A AA Ranking AA AA
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Flash Standard Solid"  Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Red Standard Solid"  Untreated Control	-5.0 -1.3 -0.0  Results in mL loss -0.5 -0.0 -0.0  Results in mL loss -0.0	A AA Ranking AA AA Ranking
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Flash Standard Solid" Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Red Standard Solid" Untreated Control Consolideck® Saltguard® WB	-5.0 -1.3 -0.0  Results in mL loss -0.5 -0.0 -0.0  Results in mL loss -0.0 -0.0  -0.0	A AA Ranking AA AA Ranking AA AA Ranking AA
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Flash Standard Solid" Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Red Standard Solid" Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent	-5.0 -1.3 -0.0  Results in mL loss -0.5 -0.0 -0.0  Results in mL loss -0.0 -0.0 -0.0 -0.0	A AA Ranking AA AA Ranking AA AA Ranking AA AA
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Flash Standard Solid"  Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "McNear Red Standard Solid"  Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "Peacock Standard Solid"	-5.0 -1.3 -0.0  Results in mL loss -0.5 -0.0 -0.0  Results in mL loss -0.0 -0.0 -0.0  Results in mL loss	A Ranking AA AA Ranking AA AA Ranking





**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

"Red Iron Spot Standard Solid"	Results in mL loss	<u>Ranking</u>		
Untreated Control	-0.1			
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	<u>AA</u>		
Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	-0.0	<u>AA</u>		
"Red Ruffle Standard Solid"	Results in mL loss	Ranking		
Untreated Control	-0.0			
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	<u>AA</u>		
Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	-0.0	<u>AA</u>		
"Repress Red Iron Spot Standard"	Results in mL loss	<u>Ranking</u>		
Untreated Control	-0.0			
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	<u>AA</u>		
Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	-0.0	<u>AA</u>		
"Rustic Standard Solid"	Results in mL loss	Ranking		
Untreated Control	-5.0			
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.1	<u>AA</u>		
Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	-0.0	<u>AA</u>		
"Sacramento Rustic Standard Solid"	Results in mL loss	Ranking		
Untreated Control	-3.2			
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	<u>AA</u>		
Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	-0.0	<u>AA</u>		
"Sanded Tudor Flash Standard Solid"	Results in mL loss	<u>Ranking</u>		
Untreated Control	-0.0			
Consolideck® Saltguard® WB	-0.0	<u>AA</u>		
Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	-0.0	<u>AA</u>		
"Santa Cruz Standard Solid"	Results in mL loss	Ranking		
University of Countries	-0.5			
Untreated Control	-0.5			
Consolideck® Saltguard® WB	-0.0	AA		
		<u>AA</u>		
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	·		
Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent  "Santa Fe Rustic Standard Solid"  Untreated Control	-0.0 -0.0	AA		
Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent "Santa Fe Rustic Standard Solid"	-0.0 -0.0 Results in mL loss	AA Ranking		





**Test Results** – Protective Water Repellents

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

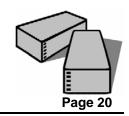
AA = Above Average

A = Average

**BA** = Below Average

"Sepia Standard Bullnose"	Results in mL loss	Ranking
Untreated Control	-0.0	
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Sepia Standard Solid"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	
Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB	-0.0	<u>AA</u>
Stand Off® SLX100 Water & Oil Repellent	-0.0	<u>AA</u>
"Tuscan Standard Bullnose"	Results in mL loss	<u>Ranking</u>
"Tuscan Standard Bullnose"  Untreated Control	Results in mL loss -0.0	Ranking 
		Ranking  AA
Untreated Control	-0.0	
Untreated Control Consolideck® Saltguard® WB	-0.0 -0.0	 <u>AA</u>
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent	-0.0 -0.0 -0.0	 <u>AA</u> <u>AA</u>
Untreated Control Consolideck® Saltguard® WB Stand Off® SLX100 Water & Oil Repellent "Tuscan Standard Solid"	-0.0 -0.0 -0.0 Results in mL loss	 <u>AA</u> <u>AA</u>





**Photographs** - Protective Water Repellents

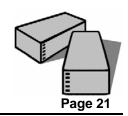
"Red Ruffle Standard Solid"; RILEM Testing



Consolideck<sup>®</sup> Saltguard<sup>®</sup> WB Stand Off® SLX100 Water & Oil Repellent

Untreated Control





#### **Conclusions** – Protective Water Repellents

Based upon laboratory evaluations, both Consolideck® Saltguard® WB and Stand Off® SLX100 Water & Oil Repellent provided above average or average water repellency to all of the submitted samples. Neither of the treatments altered the appearance of the samples in any way.

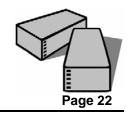
#### **Recommendations** - Protective Water Repellents

Recommendations for water repellency treatment for each type of clay paver submitted by McNear Brick & Block, San Rafael, CA are provided in the chart below. Recommendations are based on the treatment that proved most effective and can provide water repellency on all types submitted.

Sample	Water Repellents
"(Light Flash) Iron Spot Standard Solid"  "Black Hills Standard Solid"  "Canyon Standard Bullnose"  "Canyon Standard Solid"  "McNear Flash Standard Solid"  "McNear Red Standard Solid"  "Peacock Standard Solid"  "Red Iron Spot Standard Solid"  "Red Ruffle Standard Solid"  "Repress Red Iron Spot Standard"  "Rustic Standard Solid"  "Sacramento Rustic Standard Solid"  "Sanded Tudor Flash Standard Solid"  "Santa Cruz Standard Solid"  "Santa Fe Rustic Standard Solid"  "Sepia Standard Bullnose"  "Sepia Standard Bullnose"  "Tuscan Standard Solid"	Consolideck <sup>®</sup> Saltguard <sup>®</sup> WB OR Stand Off <sup>®</sup> SLX100 Water & Oil Repellent
"Green Hills Standard Solid"	Stand Off <sup>®</sup> SLX100 Water & Oil Repellent

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.





#### **Stain Repellency**

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

#### <u>Description of Products Evaluated</u> - Stain Repellency

#### Stain Repellent Treatments

**Stand Off**<sup>®</sup> **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.

#### Maintenance Cleaner

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

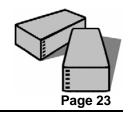
#### Staining Agents Evaluated

<u>Products</u>	<b>Temperature</b>
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<sup>®</sup> 2010 All Surface Cleaner diluted with 10 parts water, allowed to dry and absorb atmospheric moisture for 24 hours prior to treatment. The method of application for the protective treatments consisted of a brushing application in accordance with PROSOCO, Inc.'s 2005 Product Guide.





#### 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.





### **Test Results** – Surface Beading

		"(Li	ght Flash)	Iron Spo	t Standard	Solid"					
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	2	-	-	3	3	2	4	4	4		
STMP	1	-	-	1	1	1	2	2	2		
SLX100	1	-	-	1	1	1	2	2	2		
			"Black I	Hills Stand	dard Solid	"	ļ				
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	-	-	3	3	3	5	5	4		
STMP	1	-	-	2	2	1	2	2	2		
SLX100	1	-	-	1	1	1	2	2	1		
"Canyon Standard Bullnose"											
	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		
STMP	3	-	-	3	3	3	3	3	3		
SLX100	1	-	-	1	1	1	2	2	3		
			"Cany	on Standa	ard Solid"		'				
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	-	-	3	4	4	5	5	4		
STMP	3	-	-	3	3	3	2	2	3		
SLX100	1	-	-	1	1	1	2	2	2		
			"Green	Hills Stan	dard Solid	"					
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	-	-	3	3	3	5	5	3		
STMP	1	-	-	1	1	1	2	2	1		
SLX100	1	-	-	1	1	1	2	2	1		
			"McNear	Flash Sta	ndard Soli	id"					
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	2	-	-	2	2	2	5	5	4		
STMP	1	-	-	1	1	1	2	2	3		
SLX100	1	-	-	1	1	1	2	2	3		
		-	"McNear	Red Star	dard Solid	d"					
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	-	-	3	3	3	5	5	4		
STMP	2	-	-	2	2	2	3	3	2		
SLX100	1	-	-	1	1	1	2	2	2		
			"Peaco	ock Stand	ard Solid"						
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	-	-	3	3	3	5	5	4		
STMP	2	-	-	2	2	2	3	3	2		
SLX100	1	-	-	1	1	1	3	3	2		





### **Test Results** – Surface Beading

			"Red Iron	Spot Sta	ndard Soli	id"					
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	-	-	3	3	3	5	5	3		
STMP	1	-	-	1	1	1	2	2	2		
SLX100	1	-	-	1	1	1	2	2	2		
			"Red Ri	uffle Stand	dard Solid	,,	Į.				
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	-	-	3	3	3	5	5	3		
STMP	2	-	-	2	2	2	3	3	2		
SLX100	1	-	-	1	1	1	2	2	3		
"Repress Red Iron Spot Standard"											
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	2	-	-	3	3	3	5	5	3		
STMP	2	-	-	2	2	2	2	2	3		
SLX100	1	-	-	1	1	1	2	2	2		
			"Rust	ic Standa	rd Solid"		11				
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	-	-	3	3	3	5	5	3		
STMP	1	-	-	1	1	1	2	2	1		
SLX100	1	-	-	1	1	1	2	2	1		
		"S	acrament	o Rustic S	Standard S	olid"			'		
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	ı	-	3	3	3	5	5	5		
STMP	1	-	-	1	2	2	3	3	2		
SLX100	1	-	-	1	1	1	2	2	1		
		"Sa	anded Tud	dor Flash	Standard S	Solid"					
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	2	-	-	3	3	3	5	5	3		
STMP	2	-	-	3	3	3	3	3	3		
SLX100	1	-	-	1	1	1	2	2	2		
			"Santa (	Cruz Stan	dard Solid	"					
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	-	-	3	3	3	5	5	3		
STMP	3	-	-	2	2	2	3	3	2		
SLX100	1	-	-	1	1	1	2	2	2		
		•	'Santa Fe	Rustic St	andard So	lid"					
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
Untreated Control	3	-	-	3	3	3	5	5	3		
STMP	1	-	-	1	1	1	3	3	2		
SLX100	1	-	-	1	1	1	2	2	1		



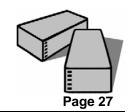


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### **Test Results** – Surface Beading

			"Sepia	Standard	Bullnose'	,			
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	4	4	3
STMP	3	-	-	3	3	3	3	3	3
SLX100	2	-	-	2	2	2	2	2	2
			"Sepi	ia Standaı	rd Solid"			•	
	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	2	-	-	2	2	2	2	2	2
			"Tuscar	Standard	Bullnose	"			
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	4	-	-	4	4	4	5	5	5
STMP	3	-	-	3	3	3	2	2	3
SLX100	1	-	-	1	1	1	2	2	1
			"Tusc	an Standa	ard Solid"				
	Coco- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
Untreated Control	3	-	-	3	3	3	5	5	4
STMP	3	-	-	3	3	3	2	2	3
SLX100	1	-	-	1	1	1	2	2	2





			"(L	ight Flash)	Iron Spot S	tandard Soli	d"		
	Untreated	Control	`	,	•				
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	30%	10%	100%	100%	100%	<1%	<1%	100%
4 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
1 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
	Stand Off®	Stone, Tile	& Masonry	Protector (	STMP)				
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Stand Off®	SLX100 W	ater & Oil R	epellent					
	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%
				"Black H	lills Standa	rd Solid"			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic	Soy Sauce	Olive Oil	Wesson	Hot Coffee
24 hr					Vinegar			Oil	
4 hour	100%	95%	20%	100%	100%	100%	100%	<b>Oil</b> 100%	100%
+ Hour	100% 100%	95% 100%	20% 100%	100% 100%			100% 100%		
1 hour					100%	100%		100%	100%
	100%	100%	100%	100%	100% 100%	100% 100%	100%	100% 100%	100% 100%
1 hour	100% 100% 100%	100% 100% 100%	100% 100% 100%	100% 100%	100% 100% 100% 100%	100% 100% 100%	100% 100%	100% 100% 100%	100% 100% 100%
1 hour	100% 100% 100%	100% 100% 100% Stone, Tile	100% 100% 100%	100% 100% 100%	100% 100% 100% 100%	100% 100% 100%	100% 100%	100% 100% 100%	100% 100% 100%
1 hour	100% 100% 100% Stand Off <sup>®</sup>	100% 100% 100% Stone, Tile	100% 100% 100% & Masonry	100% 100% 100% Protector (\$	100% 100% 100% 100% STMP)	100% 100% 100% 100%	100% 100% 100%	100% 100% 100% 100% Wesson	100% 100% 100% 100%
1 hour 10 min.	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola	100% 100% 100% Stone, Tile	100% 100% 100% & Masonry Mustard	100% 100% 100% Protector (\$ Red Wine	100% 100% 100% 100% STMP) Balsamic Vinegar	100% 100% 100% 100% Soy Sauce	100% 100% 100% Olive Oil	100% 100% 100% 100% Wesson Oil	100% 100% 100% 100% Hot Coffee
1 hour 10 min.	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola	100% 100% 100% Stone, Tile Ketchup	100% 100% 100% & Masonry Mustard	100% 100% 100% Protector (\$ Red Wine	100% 100% 100% 100% STMP) Balsamic Vinegar 100%	100% 100% 100% 100% Soy Sauce	100% 100% 100% Olive Oil	100% 100% 100% 100% Wesson Oil 100%	100% 100% 100% 100% Hot Coffee
1 hour 10 min. 24 hr 4 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100%	100% 100% 100% Stone, Tile Ketchup 100%	100% 100% 100% & Masonry Mustard 100%	100% 100% 100% Protector (\$ Red Wine 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100%	100% 100% 100% 100% Soy Sauce 100%	100% 100% 100% Olive Oil 100%	100% 100% 100% 100% Wesson Oil 100%	100% 100% 100% 100% Hot Coffee 100%
1 hour 10 min. 24 hr 4 hour 1 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100% 100%	100% 100% 100% Stone, Tile Ketchup 100% 100%	100% 100% 8 Masonry Mustard 100% 100% 100%	100% 100% 100% Protector (\$ Red Wine 100% 100% 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100%	100% 100% 100% 100% Soy Sauce 100% 100%	100% 100% 100% Olive Oil 100% 100%	100% 100% 100% 100% Wesson Oil 100% 100%	100% 100% 100% 100% Hot Coffee 100% 100%
1 hour 10 min. 24 hr 4 hour 1 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100% 100%	100% 100% 100% Stone, Tile Ketchup 100% 100% 100%	100% 100% 8 Masonry Mustard 100% 100% 100%	100% 100% 100% Protector (\$ Red Wine 100% 100% 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100%	100% 100% 100% 100% Soy Sauce 100% 100%	100% 100% 100% Olive Oil 100% 100%	100% 100% 100% 100% Wesson Oil 100% 100%	100% 100% 100% 100% Hot Coffee 100% 100%
1 hour 10 min. 24 hr 4 hour 1 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100% 100% 100% Stand Off <sup>®</sup>	100% 100% 100% Stone, Tile Ketchup 100% 100% 100%	100% 100% 8 Masonry Mustard 100% 100% 100% 100%	100% 100% 100% Protector (\$ Red Wine 100% 100% 100% 100% epellent	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100% 100%	100% 100% 100% 100% 100% Soy Sauce 100% 100% 100%	100% 100% 100% Olive Oil 100% 100% 100%	100% 100% 100% 100%  Wesson Oil 100% 100% 100%  Wesson	100% 100% 100% 100% Hot Coffee 100% 100% 100%
1 hour 10 min. 24 hr 4 hour 1 hour 10 min.	100% 100% 100% Stand Off® Coca- Cola 100% 100% 100% 5tand Off® Coca- Cola	100% 100% 100% Stone, Tile Ketchup 100% 100% 100% SLX100 W	100% 100% 8 Masonry Mustard 100% 100% 100% 100% 100% Mustard 100% 100% 100%	100% 100% Protector (\$ Red Wine 100% 100% 100% 100% 100% Red Wine	100% 100% 100% 100% STMP)  Balsamic Vinegar 100% 100% 100% Balsamic Vinegar	100% 100% 100% 100% 100% 100% 100% 5oy Sauce	100% 100% 100% Olive Oil 100% 100% 100%	100% 100% 100% 100%  Wesson Oil 100% 100% 100%  Wesson Oil 00%	100% 100% 100% 100%  Hot Coffee 100% 100% 100% Hot Coffee
1 hour 10 min. 24 hr 4 hour 1 hour 10 min.	100% 100% 100% Stand Off® Coca- Cola 100% 100% 100% Stand Off® Coca- Cola 100%	100% 100% 100% Stone, Tile Ketchup 100% 100% 100% SLX100 W Ketchup 100%	100% 100% 8 Masonry Mustard 100% 100% 100% 100% Mustard 100% 100% 100% 100%	100% 100% Protector (\$ Red Wine 100% 100% 100% 100% Red Wine 100% 100% 100% 100%	100% 100% 100% 100% STMP)  Balsamic Vinegar 100% 100% 100%  100% 100% 100%	100% 100% 100% 100% Soy Sauce 100% 100% 100% Soy Sauce 100%	100% 100% 100% Olive Oil 100% 100% 100% Olive Oil	100% 100% 100% 100%  Wesson Oil 100% 100%  Wesson Oil 100%	100% 100% 100% 100%  Hot Coffee 100% 100%  Hot Coffee 100%





**Test Results** - Stain Repellency

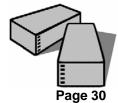
				"Canyon	Standard I	Pullnese"			
		0 1 1		Carryon	Standard I	Sullilose			
	Untreated	Control			Dalaamia	1		14/	1
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	60%	60%	100%
4 hour	100%	100%	100%	100%	100%	100%	60%	60%	100%
1 hour	100%	100%	100%	100%	100%	100%	60%	60%	100%
10 min.	100%	100%	100%	100%	100%	100%	60%	60%	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 W	ater & Oil R	epellent		"			"
	Coca- Cola		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%
				"Canyo	on Standard	d Solid"			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	60%	60%	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		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 <sup>®</sup>	SLX100 W	ater & Oil R	epellent					
	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%





				"Green I	Hills Standa	rd Solid"			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	40%	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 <sup>®</sup>	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 W	ater & Oil R	epellent					
	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%
				"McNear I	Flash Stand	lard Solid"			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	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 <sup>®</sup>	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%
	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	10076	100%	10070				.0070	
10 min.	-	SLX100 W						10070	,
10 min.	-	SLX100 W			Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
10 min.	Stand Off®	SLX100 W	ater & Oil R	epellent	Balsamic	Soy Sauce		Wesson	Hot Coffee
	Stand Off <sup>®</sup> Coca- Cola	SLX100 W	ater & Oil R	epellent Red Wine	Balsamic Vinegar		Olive Oil	Wesson Oil	
24 hr	Stand Off <sup>®</sup> Coca- Cola 100%	SLX100 Ware Ketchup	Mustard	Red Wine	Balsamic Vinegar 100%	100%	Olive Oil	Wesson Oil 100%	100%

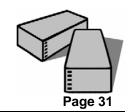




### **Test Results** - Stain Repellency

				"McNear	Red Standa	ard Solid"			
	Untreated	Control				1			1
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	50%	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 <sup>®</sup>	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 W	ater & Oil R	epellent					
	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%
				"Peaco	ck Standar	d Solid"			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	90%	10%	100%	100%	100%	<1%	<1%	100%
4 hour	100%	100%	95%	100%	100%	100%	<1%	<1%	100%
1 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
	Stand Off®	Stone, Tile	& Masonry	Protector (	STMP)				
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	100%	100%	100%	100%	100%	100%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Stand Off®	SLX100 W	ater & Oil R	epellent					
	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%





				"Red Iron	Spot Stand	lard Solid"			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	30%	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 <sup>®</sup>	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 W	ater & Oil R	epellent					
	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%
				"Red Ru	ıffle Standa	rd Solid"			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	90%	100%	100%	100%	<1%	<1%	100%
4 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
1 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
	Stand Off <sup>®</sup> Stone, Tile & Masonry Protector (STMP)								
	Stand Off	Stone, Tile	& Masonry	Protector (	STMP)		1170	1170	
	Stand Off <sup>®</sup> Coca- Cola		& Masonry Mustard	Protector (	STMP)  Balsamic  Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr					Balsamic			Wesson	Hot Coffee
24 hr 4 hour	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	
	Coca- Cola	Ketchup 100%	Mustard 100%	Red Wine	Balsamic Vinegar 100%	Soy Sauce	Olive Oil	Wesson Oil 100%	100%
4 hour	100% 100%	100% 100%	Mustard 100% 100%	100% 100%	Balsamic Vinegar 100% 100%	Soy Sauce 100% 100%	Olive Oil 100% 100%	Wesson Oil 100% 100%	100% 100%
4 hour 1 hour	Coca- Cola 100% 100% 100% 100%	100% 100% 100%	Mustard 100% 100% 100% 100%	100% 100% 100% 100%	Balsamic Vinegar 100% 100%	Soy Sauce 100% 100% 100%	Olive Oil 100% 100% 100%	Wesson Oil 100% 100% 100%	100% 100% 100%
4 hour 1 hour	Coca- Cola 100% 100% 100% 100%	Ketchup  100%  100%  100%  100%  SLX100 W	Mustard 100% 100% 100% 100%	100% 100% 100% 100%	Balsamic Vinegar 100% 100%	Soy Sauce 100% 100% 100%	Olive Oil 100% 100% 100%	Wesson Oil 100% 100% 100%	100% 100% 100%
4 hour 1 hour	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup>	Ketchup  100%  100%  100%  100%  SLX100 W	Mustard  100%  100%  100%  100%  ater & Oil R	Red Wine  100% 100% 100% 100% epellent	Balsamic Vinegar	Soy Sauce 100% 100% 100% 100%	Olive Oil 100% 100% 100% 100%	Wesson Oil 100% 100% 100% 100%	100% 100% 100% 100%
4 hour 1 hour 10 min.	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola	100% 100% 100% 100% 100% SLX100 W	Mustard  100%  100%  100%  100%  ater & Oil R  Mustard	Red Wine  100% 100% 100% 100% epellent Red Wine	Balsamic Vinegar  100%  100%  100%  100%  Balsamic Vinegar	Soy Sauce  100% 100% 100% 100% Soy Sauce	Olive Oil  100% 100% 100% 100% Olive Oil	Wesson Oil 100% 100% 100% 100% Wesson Oil	100% 100% 100% 100% Hot Coffee
4 hour 1 hour 10 min.	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%	100% 100% 100% 100% 2 SLX100 Ware Ketchup	Mustard  100%  100%  100%  100%  ater & Oil R  Mustard  100%	Red Wine  100% 100% 100% 100% epellent Red Wine 100%	Balsamic Vinegar  100%  100%  100%  Solution of the second	Soy Sauce  100% 100% 100% 100%  Soy Sauce 100%	Olive Oil  100% 100% 100%  Olive Oil 100%	Wesson Oil 100% 100% 100% 100%  Wesson Oil 100%	100% 100% 100% 100% Hot Coffee





				"Repress R	ed Iron Spo	t Standard"			
	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 <sup>®</sup>	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 W	ater & Oil R	epellent					
	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%
				"Rusti	ic Standard	Solid"			
	Untrooted								
	Unitreated	Control							
	Coca- Cola		Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr			Mustard	Red Wine		Soy Sauce	Olive Oil		Hot Coffee
24 hr 4 hour	Coca- Cola	Ketchup			Vinegar			Oil	
-	Coca- Cola	Ketchup 40%	30%	100%	Vinegar 100%	100%	<1%	<b>Oil</b> <1%	100%
4 hour	100% 100%	<b>Ketchup</b> 40% 100%	30% 100%	100% 100%	100% 100%	100% 100%	<1% <1%	Oil <1% <1%	100% 100%
4 hour 1 hour	Coca- Cola 100% 100% 100% 100%	40% 100% 100% 100%	30% 100% 100% 100%	100% 100% 100% 100%	Vinegar 100% 100% 100% 100%	100% 100% 100%	<1% <1% <1%	Oil <1% <1% <1% <1%	100% 100% 100%
4 hour 1 hour	Coca- Cola 100% 100% 100% 100%	40% 100% 100% 100% Stone, Tile	30% 100% 100% 100%	100% 100% 100%	Vinegar 100% 100% 100% 100%	100% 100% 100%	<1% <1% <1%	Oil <1% <1% <1% <1%	100% 100% 100%
4 hour 1 hour	Coca- Cola  100%  100%  100%  100%  Stand Off®	40% 100% 100% 100% Stone, Tile	30% 100% 100% 100% <b>&amp; Masonry</b>	100% 100% 100% 100% Protector (\$	100% 100% 100% 100% 5TMP)	100% 100% 100% 100%	<1% <1% <1% <1%	Oil <1% <1% <1% <1% <1% <1% <1% <	100% 100% 100% 100%
4 hour 1 hour 10 min.	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola	40% 100% 100% 100% Stone, Tile	30% 100% 100% 100% & Masonry Mustard	100% 100% 100% 100% Protector (\$	100% 100% 100% 100% STMP) Balsamic Vinegar	100% 100% 100% 100% Soy Sauce	<1% <1% <1% <1% Olive Oil	Oil <1% <1% <1% <1% <1% <1% <1% <1% <1% <1%	100% 100% 100% 100% Hot Coffee
4 hour 1 hour 10 min.	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%	40% 100% 100% 100% Stone, Tile Ketchup 100%	30% 100% 100% 100% & Masonry Mustard	100% 100% 100% 100% Protector (\$ Red Wine 100%	Vinegar  100%  100%  100%  100%  STMP)  Balsamic Vinegar  100%	100% 100% 100% 100% Soy Sauce	<1% <1% <1% <1% Olive Oil	Oil <1% <1% <1% <1% <1% <1% <1% <1% <1% <1%	100% 100% 100% 100% Hot Coffee
4 hour 1 hour 10 min. 24 hr 4 hour	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%	Ketchup  40% 100% 100% 100%  Stone, Tile Ketchup  100% 100%	30% 100% 100% 100% & Masonry Mustard 100%	100% 100% 100% 100% Protector (\$ Red Wine 100%	Vinegar  100%  100%  100%  5TMP)  Balsamic Vinegar  100%  100%	100% 100% 100% 100% Soy Sauce 100%	<1% <1% <1% <1% Olive Oil 100%	Oil <1% <1% <1% <1% <1% <1%  100%	100% 100% 100% 100% Hot Coffee 100%
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%  100%  100%	40% 100% 100% 100%  Stone, Tile Ketchup 100% 100% 100%	30% 100% 100% 100% & Masonry Mustard 100% 100% 100%	100% 100% 100% 100% Protector (\$ Red Wine 100% 100% 100%	Vinegar  100%  100%  100%  STMP)  Balsamic Vinegar  100%  100%  100%	100% 100% 100% 100% 5oy Sauce 100% 100%	<1% <1% <1% <1% <1% <100  100%  100%  100%	Oil     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%	100% 100% 100% 100% Hot Coffee 100% 100%
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%  100%  100%  100%	Ketchup  40% 100% 100% 5tone, Tile Ketchup 100% 100% 100% 100% 5LX100 Wa	30% 100% 100% 100% & Masonry Mustard 100% 100% 100%	100% 100% 100% 100% Protector (\$ Red Wine 100% 100% 100%	Vinegar  100%  100%  100%  STMP)  Balsamic Vinegar  100%  100%  100%	100% 100% 100% 100% 5oy Sauce 100% 100%	<1% <1% <1% <1% <1% <100  100%  100%  100%	Oil     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%	100% 100% 100% 100% Hot Coffee 100% 100%
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%  100%  5tand Off <sup>®</sup> Stand Off <sup>®</sup> Coca- Cola	Ketchup  40% 100% 100% 5tone, Tile Ketchup 100% 100% 100% 100% 5LX100 Wa	30% 100% 100% 8 Masonry Mustard 100% 100% 100%	100% 100% 100% 100% Protector (\$ Red Wine 100% 100% 100% 100%	Vinegar  100%  100%  100%  100%  STMP)  Balsamic Vinegar  100%  100%  100%  Balsamic	100% 100% 100% 100% 100% Soy Sauce 100% 100% 100%	<1% <1% <1% <1% <100  100%  100%  100%  100%	Oil <1% <1% <1% <1% <1% <1% <1%  100%  100%  100%  Wesson  Wesson  Wesson	100% 100% 100% 100% Hot Coffee 100% 100% 100%
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour 10 min.	Coca- Cola  100%  100%  100%  100%  Stand Off®  Coca- Cola  100%  100%  100%  Coca- Cola  100%  100%  100%  Coca- Cola	Ketchup  40% 100% 100% 100% Stone, Tile Ketchup 100% 100% 100% 100% Ketchup	30% 100% 100% & Masonry Mustard 100% 100% 100% 100% ater & Oil R	100% 100% 100% 100% Protector (\$ Red Wine 100% 100% 100% epellent Red Wine	Vinegar  100%  100%  100%  STMP)  Balsamic Vinegar  100%  100%  100%  Balsamic Vinegar	100% 100% 100% 100% 100% 100% 100% 100%	<1% <1% <1% <1% <100  Olive Oil  100% 100% 100% 100% Olive Oil	Oil	100% 100% 100% 100% Hot Coffee 100% 100% 100% Hot Coffee
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour 10 min.	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%	Ketchup  40% 100% 100% 100%  Stone, Tile  Ketchup  100% 100% 100%  SLX100 Water Wate	30% 100% 100% 8 Masonry Mustard 100% 100% 100% ater & Oil Romand	100% 100% 100% 100% Protector (\$ Red Wine 100% 100% 100% epellent Red Wine 100%	Vinegar  100%  100%  100%  100%  STMP)  Balsamic Vinegar  100%  100%  100%  100%  100%  100%  100%	100% 100% 100% 100% 100% Soy Sauce 100% 100% Soy Sauce 100%	<1% <1% <1% <1% <1%  Olive Oil  100%  100%  Olive Oil  100%	Oil <1% <1% <1% <1% <1% <1% <1%  Wesson Oil 100% 100% 100% 100%	100% 100% 100% 100% Hot Coffee 100% 100% Hot Coffee





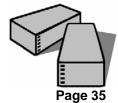
	iits Otalli	Repellene	•						
			6	'Sacramento	o Rustic Sta	andard Solid	"		
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	50%	100%	100%	100%	100%	<1%	<1%	100%
4 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
1 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
	Stand Off <sup>®</sup>	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 <sup>®</sup>	SLX100 W	ater & Oil R	epellent					
	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%
			"	Sanded Tud	or Flash St	andard Solid	d"		
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	10%	30%	100%	100%	100%	<1%	<1%	100%
4 hour	100%	100%	30%	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 <sup>®</sup>	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 <sup>®</sup>	SLX100 W	ater & Oil R	epellent					
	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%





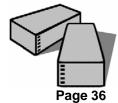
				"Santa C	Cruz Standa	rd Solid"					
	Untreated	Control									
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
24 hr	100%	100%	10%	100%	100%	100%	100%	100%	100%		
4 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%		
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%		
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%		
	Stand Off <sup>®</sup>	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 W	ater & Oil R	epellent							
	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%		
				"Santa Fe	Rustic Stan	dard Solid"					
	Untreated	Control		"Santa Fe Rustic Standard Solid"							
		00111101									
	Coca- Cola		Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee		
24 hr			Mustard	Red Wine		Soy Sauce	Olive Oil		Hot Coffee		
24 hr 4 hour	Coca- Cola	Ketchup			Vinegar	_		Oil			
	Coca- Cola	Ketchup 100%	10%	100%	Vinegar 100%	100%	<1%	<b>Oil</b> <1%	100%		
4 hour	100% 100%	100% 100%	10% 100%	100% 100%	100% 100%	100% 100%	<1% <1%	Oil <1% <1%	100% 100%		
4 hour 1 hour	Coca- Cola 100% 100% 100% 100%	100% 100% 100% 100%	10% 100% 100% 100%	100% 100% 100%	Vinegar 100% 100% 100% 100%	100% 100% 100%	<1% <1% <1%	Oil <1% <1% <1% <1%	100% 100% 100%		
4 hour 1 hour	Coca- Cola 100% 100% 100% 100%	100% 100% 100% 100% 5tone, Tile	10% 100% 100% 100%	100% 100% 100% 100%	Vinegar 100% 100% 100% 100%	100% 100% 100%	<1% <1% <1%	Oil <1% <1% <1% <1%	100% 100% 100%		
4 hour 1 hour	Coca- Cola  100%  100%  100%  100%  Stand Off®	100% 100% 100% 100% 5tone, Tile	10% 100% 100% 100% & Masonry	100% 100% 100% 100% Protector (\$	100% 100% 100% 100% STMP)	100% 100% 100% 100%	<1% <1% <1% <1%	Oil <1% <1% <1% <1% <1% <1% <1% <	100% 100% 100% 100%		
4 hour 1 hour 10 min.	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola	Ketchup  100%  100%  100%  100%  Stone, Tile	10% 100% 100% 100% & Masonry Mustard	100% 100% 100% 100% Protector (S	100% 100% 100% 100% STMP) Balsamic Vinegar	100% 100% 100% 100% Soy Sauce	<1% <1% <1% <1% Olive Oil	Oil <1% <1% <1% <1% <1% <1% <1% <1% <1% <1%	100% 100% 100% 100% Hot Coffee		
4 hour 1 hour 10 min.	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%	100% 100% 100% 100% 5tone, Tile Ketchup	10% 100% 100% 100% & Masonry Mustard	100% 100% 100% 100% Protector (3 Red Wine	Vinegar   100%   100%   100%     STMP)   Balsamic   Vinegar   100%	100% 100% 100% 100% Soy Sauce	<1% <1% <1% <1% Olive Oil	Oil <1% <1% <1% <1% <1% <1% <1% <1% <1% <1%	100% 100% 100% 100% Hot Coffee		
4 hour 1 hour 10 min. 24 hr 4 hour	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%	Ketchup  100%  100%  100%  100%  Stone, Tile  Ketchup  100%  100%	10% 100% 100% 100% & Masonry Mustard 100%	100% 100% 100% 100% Protector (3 Red Wine 100%	Vinegar   100%   100%   100%     STMP)   Balsamic   Vinegar   100%   1	100% 100% 100% 100% Soy Sauce 100%	<1% <1% <1% <1% <1% <100 <100	Oil     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%	100% 100% 100% 100% Hot Coffee 100%		
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%  100%  100%  100%	Ketchup  100%  100%  100%  Stone, Tile  Ketchup  100%  100%  100%  100%  100%	10% 100% 100% \$ Masonry Mustard 100% 100%	100% 100% 100% 100% Protector (\$ Red Wine 100% 100% 100%	Vinegar  100%  100%  100%  STMP)  Balsamic Vinegar  100%  100%  100%	100% 100% 100% 100% Soy Sauce 100% 100%	<1% <1% <1% <1% <1% <100  100%  100%  100%	Oil     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%	100% 100% 100% 100% Hot Coffee 100% 100%		
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%  100%  100%  100%	Ketchup  100% 100% 100%  Stone, Tile  Ketchup  100% 100% 100% 100%  SLX100 Wa	10% 100% 100% \$ Masonry Mustard 100% 100% 100%	100% 100% 100% 100% Protector (\$ Red Wine 100% 100% 100%	Vinegar  100%  100%  100%  STMP)  Balsamic Vinegar  100%  100%  100%	100% 100% 100% 100% Soy Sauce 100% 100%	<1% <1% <1% <1% <1% <100  100%  100%  100%	Oil     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%	100% 100% 100% 100% Hot Coffee 100% 100%		
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%  100%  5tand Off <sup>®</sup> Stand Off <sup>®</sup> Stand Off <sup>®</sup>	Ketchup  100% 100% 100%  Stone, Tile  Ketchup  100% 100% 100% 100%  SLX100 Wa	10% 100% 100% 8 Masonry Mustard 100% 100% 100%	100% 100% 100% 100% Protector (S Red Wine 100% 100% 100% 100%	Vinegar  100%  100%  100%  100%  STMP)  Balsamic Vinegar  100%  100%  100%  Balsamic	100% 100% 100% 100% 100% Soy Sauce 100% 100% 100%	<1% <1% <1% <1% <1% <100  100%  100%  100%  100%	Oil     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%  Wesson Oil     100%     100%     100%     Wesson Oil	100% 100% 100% 100% Hot Coffee 100% 100% 100%		
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour 10 min.	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%  100%  5tand Off <sup>®</sup> Coca- Cola	Ketchup  100% 100% 100% 100% Stone, Tile Ketchup 100% 100% 100% 100% Ketchup	10% 100% 100% 8 Masonry Mustard 100% 100% 100% 100% 100% Mustard 100% 100%	100% 100% 100% Protector (ST Red Wine) 100% 100% 100% 100% 100% Red Wine	Vinegar  100%  100%  100%  100%  STMP)  Balsamic Vinegar  100%  100%  100%  Balsamic Vinegar	100% 100% 100% 100% Soy Sauce 100% 100% 100% 5oy Sauce	<1% <1% <1% <1% <1% <100  100%  100%  100%  100%  100%  100%	Oil	100% 100% 100% 100%  Hot Coffee  100% 100% 100% Hot Coffee		
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour 10 min.	Coca- Cola  100%  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%  100%  Stand Off <sup>®</sup> Coca- Cola  100%  100%	Ketchup  100% 100% 100% 100%  Stone, Tile  Ketchup  100% 100% 100%  SLX100 Water Wat	10% 100% 100% 8 Masonry Mustard 100% 100% 100% 100% 100% Mustard 100%	100% 100% 100% 100% Protector (\$ Red Wine 100% 100% 100% Red Wine 100% 100% 100%	Vinegar  100%  100%  100%  100%  STMP)  Balsamic Vinegar  100%  100%  100%  100%  100%  100%	100% 100% 100% 100% Soy Sauce 100% 100% 100% Soy Sauce 100%	<1% <1% <1% <1% <1% <100  Dlive Oil  100%  100%  100%  Olive Oil  100%	Oil     <1%     <1%     <1%     <1%     <1%     <1%     <1%     <1%  100% 100% 100% 100% 100% 100%	100% 100% 100% 100%  Hot Coffee 100% 100%  Hot Coffee 100%		





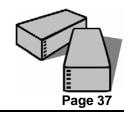
				"Sepia	Standard B	ullnose"			
	Untreated	Control		<u> </u>					
	Coca- Cola		Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	100%	30%	100%	100%	100%	<1%	<1%	100%
4 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
1 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
	Stand Off <sup>®</sup>	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 W	ater & Oil R	epellent					
	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%
				"Sepi	a Standard	Solid"			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson	Hot Coffee
24 hr	100%				Villegai			Oil	
4 hour		100%	100%	100%	100%	100%	<1%	<1%	100%
	100%	100% 100%	100% 100%	100% 100%		100% 100%	<1% <1%		
1 hour					100%			<1%	100%
	100%	100%	100%	100%	100% 100%	100%	<1%	<1% <1%	100% 100%
1 hour	100% 100% 100%	100% 100% 100%	100% 100% 100%	100% 100%	100% 100% 100% 100%	100% 100%	<1% <1%	<1% <1% <1%	100% 100% 100%
1 hour	100% 100% 100%	100% 100% 100% Stone, Tile	100% 100% 100%	100% 100% 100%	100% 100% 100% 100%	100% 100%	<1% <1%	<1% <1% <1%	100% 100% 100%
1 hour	100% 100% 100% Stand Off <sup>®</sup>	100% 100% 100% Stone, Tile	100% 100% 100% <b>&amp; Masonry</b>	100% 100% 100% <b>Protector (</b> 3	100% 100% 100% 100% STMP)	100% 100% 100%	<1% <1% <1%	<1% <1% <1% <1%	100% 100% 100% 100%
1 hour 10 min.	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola	100% 100% 100% Stone, Tile	100% 100% 100% & Masonry Mustard	100% 100% 100% Protector (\$	100% 100% 100% 100% STMP) Balsamic Vinegar	100% 100% 100% Soy Sauce	<1% <1% <1% Olive Oil	<1% <1% <1% <1% Wesson Oil	100% 100% 100% 100% Hot Coffee
1 hour 10 min.	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola	100% 100% 100% Stone, Tile Ketchup	100% 100% 100% & Masonry Mustard	100% 100% 100% Protector (\$ Red Wine	100% 100% 100% 100% STMP) Balsamic Vinegar 100%	100% 100% 100% Soy Sauce	<1% <1% <1% Olive Oil	<1% <1% <1% <1% <1% Wesson Oil	100% 100% 100% 100% Hot Coffee
1 hour 10 min. 24 hr 4 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100%	100% 100% 100% Stone, Tile Ketchup 100%	100% 100% 100% & Masonry Mustard 100%	100% 100% 100% Protector (\$ Red Wine 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100%	100% 100% 100% Soy Sauce 100%	<1% <1% <1% Olive Oil 100% 100%	<1% <1% <1% <1% <1% <1%  100%	100% 100% 100% 100% Hot Coffee 100%
1 hour 10 min. 24 hr 4 hour 1 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100% 100%	100% 100% 100% Stone, Tile Ketchup 100% 100%	100% 100% 8 Masonry Mustard 100% 100% 100%	100% 100% 100% Protector (\$ Red Wine 100% 100% 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100%	100% 100% 100% Soy Sauce 100% 100%	<1% <1% <1% Olive Oil 100% 100%	<1% <1% <1% <1% <1% <10% <10% <100%	100% 100% 100% 100% Hot Coffee 100% 100%
1 hour 10 min. 24 hr 4 hour 1 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100% 100%	100% 100% 100% Stone, Tile Ketchup 100% 100% 100%	100% 100% 8 Masonry Mustard 100% 100% 100%	100% 100% 100% Protector (\$ Red Wine 100% 100% 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100%	100% 100% 100% Soy Sauce 100% 100%	<1% <1% <1% Olive Oil 100% 100%	<1% <1% <1% <1% <1% <10% <10% <100%	100% 100% 100% 100% Hot Coffee 100% 100%
1 hour 10 min. 24 hr 4 hour 1 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100% 100% 100% Stand Off <sup>®</sup>	100% 100% 100% Stone, Tile Ketchup 100% 100% 100%	100% 100% & Masonry Mustard 100% 100% 100% 100%	100% 100% 100% Protector (\$ Red Wine 100% 100% 100% 100% epellent	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100% 100% 100%	100% 100% 100% Soy Sauce 100% 100% 100%	<1% <1% <1% Olive Oil 100% 100% 100%	<1% <1% <1% <1% <1% <10%  Wesson Oil  100%  100%  100%  Wesson	100% 100% 100% 100% Hot Coffee 100% 100% 100%
1 hour 10 min. 24 hr 4 hour 1 hour 10 min.	100% 100% 100% Stand Off® Coca- Cola 100% 100% 100% 5tand Off® Coca- Cola	100% 100% 100% Stone, Tile Ketchup 100% 100% 100% 5LX100 Wa	100% 100% 8 Masonry Mustard 100% 100% 100% 100% 100% Mustard 100% 100% 100%	100% 100% Protector (\$ Red Wine 100% 100% 100% 100% 100% Red Wine	100% 100% 100% 100% STMP)  Balsamic Vinegar 100% 100% 100% 100% Balsamic Vinegar	100% 100% 100% Soy Sauce 100% 100% 100% Soy Sauce	<1% <1% <1% Olive Oil 100% 100% 100%	<1% <1% <1% <1% <1% <10%  Wesson Oil  100%  100%  100%  Wesson Oil	100% 100% 100% 100% Hot Coffee 100% 100% 100%
1 hour 10 min. 24 hr 4 hour 1 hour 10 min.	100% 100% 100% Stand Off® Coca- Cola 100% 100% 100% Stand Off® Coca- Cola 100%	100% 100% 100% Stone, Tile Ketchup 100% 100% 100% SLX100 Wa Ketchup 100%	100% 100% 8 Masonry Mustard 100% 100% 100% 100% Mustard 100% 100% 100% 100%	100% 100% Protector (\$ Red Wine 100% 100% 100% 100% Pepellent Red Wine 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100% 100% 100% 100% 100%	100% 100% 100% Soy Sauce 100% 100% 100% Soy Sauce 100%	<1% <1% <1% Olive Oil  100% 100% 100%  Olive Oil  100%	<1% <1% <1% <1% <1% <1%  100%  100%  Wesson 0il  100%  Wesson 0il  100%	100% 100% 100% 100% Hot Coffee 100% 100% Hot Coffee





				"Tuscan	Standard E	Bullnose"			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic Vinegar	Soy Sauce	Olive Oil	Wesson Oil	Hot Coffee
24 hr	100%	30%	30%	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 <sup>®</sup>	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 W	ater & Oil R	epellent					
	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%
				"Tusca	an Standard	l Solid"			
	Untreated	Control							
	Coca- Cola	Ketchup	Mustard	Red Wine	Balsamic	Soy Sauce	Olive Oil	Wesson	Hot Coffee
		•			Vinegar	ooy oaaco		Oil	
24 hr	100%	95%	90%	100%	Vinegar 100%	100%	<1%	<b>Oil</b> <1%	100%
24 hr 4 hour	100% 100%	95% 100%	90%	100%					
					100%	100%	<1%	<1%	100%
4 hour	100%	100%	90%	100%	100% 100%	100% 100%	<1% <1%	<1% <1%	100% 100%
4 hour 1 hour	100% 100% 100%	100% 100% 100%	90% 100% 100%	100% 100%	100% 100% 100% 100%	100% 100% 100%	<1% <1% <1%	<1% <1% <1%	100% 100% 100%
4 hour 1 hour	100% 100% 100%	100% 100% 100% Stone, Tile	90% 100% 100%	100% 100% 100%	100% 100% 100% 100%	100% 100% 100%	<1% <1% <1%	<1% <1% <1%	100% 100% 100%
4 hour 1 hour	100% 100% 100% Stand Off <sup>®</sup>	100% 100% 100% Stone, Tile	90% 100% 100% & Masonry	100% 100% 100% Protector (\$	100% 100% 100% 100% STMP)	100% 100% 100% 100%	<1% <1% <1% <1%	<1% <1% <1% <1%	100% 100% 100% 100%
4 hour 1 hour 10 min.	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola	100% 100% 100% Stone, Tile	90% 100% 100% & Masonry Mustard	100% 100% 100% Protector (\$ Red Wine	100% 100% 100% 100% STMP) Balsamic Vinegar	100% 100% 100% 100% Soy Sauce	<1% <1% <1% <1% Olive Oil	<1% <1% <1% <1% Wesson Oil	100% 100% 100% 100% Hot Coffee
4 hour 1 hour 10 min.	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola	100% 100% 100% Stone, Tile Ketchup	90% 100% 100% & Masonry Mustard	100% 100% 100% Protector (\$ Red Wine	100% 100% 100% 100% STMP) Balsamic Vinegar 100%	100% 100% 100% 100% Soy Sauce	<1% <1% <1% <1% Olive Oil	<1% <1% <1% <1% Wesson Oil	100% 100% 100% 100% Hot Coffee
4 hour 1 hour 10 min. 24 hr 4 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100%	100% 100% 100% Stone, Tile Ketchup 100%	90% 100% 100% & Masonry Mustard 100%	100% 100% 100% Protector (\$ Red Wine 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100%	100% 100% 100% 100% Soy Sauce 100%	<1% <1% <1% <1% Olive Oil 100%	<1% <1% <1% <1% <1% <1%  100%	100% 100% 100% 100% Hot Coffee 100%
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100% 100%	100% 100% 100% Stone, Tile Ketchup 100% 100% 100%	90% 100% 100% & Masonry Mustard 100% 100%	100% 100% 100% Protector (\$ Red Wine 100% 100% 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100%	100% 100% 100% 100% 5oy Sauce 100% 100%	<1% <1% <1% <1% <1% <100  100%  100%  100%	<1% <1% <1% <1% <1% <10% <10% <100%	100% 100% 100% 100% Hot Coffee 100% 100%
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100% 100%	100% 100% 100% Stone, Tile Ketchup 100% 100% 100%	90% 100% 8 Masonry Mustard 100% 100% 100%	100% 100% 100% Protector (\$ Red Wine 100% 100% 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100%	100% 100% 100% 100% 5oy Sauce 100% 100%	<1% <1% <1% <1% <1% <100  100%  100%  100%	<1% <1% <1% <1% <1% <10% <10% <100%	100% 100% 100% 100% Hot Coffee 100% 100%
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100% 100% 100% Stand Off <sup>®</sup>	100% 100% 100% Stone, Tile Ketchup 100% 100% 100%	90% 100% 8 Masonry Mustard 100% 100% 100% 100% 100% ater & Oil R	100% 100% 100% Protector (\$ Red Wine 100% 100% 100% 100% epellent	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100% 100% Balsamic	100% 100% 100% 100% 100% Soy Sauce 100% 100% 100%	<1% <1% <1% <1% <1%  Olive Oil  100% 100% 100%	<1% <1% <1% <1% <1% <10%  100%  100%  100%  Wesson  Wesson  Wesson	100% 100% 100% 100% Hot Coffee 100% 100% 100%
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour 10 min.	100% 100% 100% Stand Off <sup>®</sup> Coca- Cola 100% 100% 100% 100% Stand Off <sup>®</sup> Coca- Cola	100% 100% 100% Stone, Tile Ketchup 100% 100% 100% SLX100 W	90% 100% 8 Masonry Mustard 100% 100% 100% 100% Mustard 100% 100% 100% Mustard	100% 100% Protector (\$ Red Wine 100% 100% 100% 100% 100% Red Wine	100% 100% 100% 100% STMP)  Balsamic Vinegar 100% 100% 100% Balsamic Vinegar	100% 100% 100% 100% 100% Soy Sauce 100% 100% 100%	<1% <1% <1% <1% <100  Olive Oil  100% 100% 100% 100% Olive Oil	<1% <1% <1% <1% <1% <1%  100%  100%  100%  Wesson Oil  Wesson Oil	100% 100% 100% 100% Hot Coffee 100% 100% 100%
4 hour 1 hour 10 min. 24 hr 4 hour 1 hour 10 min.	100% 100% 100% Stand Off® Coca- Cola 100% 100% 100% Stand Off® Coca- Cola 100%	100% 100% 100% Stone, Tile Ketchup 100% 100% 100% SLX100 W Ketchup 100%	90% 100% 8 Masonry Mustard 100% 100% 100% 100% Mustard 100% 100% 100% 100%	100% 100% Protector (\$ Red Wine 100% 100% 100% 100% Red Wine 100% 100% 100% 100%	100% 100% 100% 100% STMP) Balsamic Vinegar 100% 100% 100% 100% 100%	100% 100% 100% 100% 100% Soy Sauce 100% 100% 100%	<1% <1% <1% <1% <1%  Olive Oil  100%  100%  Olive Oil  100%	<1% <1% <1% <1% <1% <1%  100%  100%  100%  Wesson Oil  100%  100%	100% 100% 100% 100% Hot Coffee 100% 100% Hot Coffee



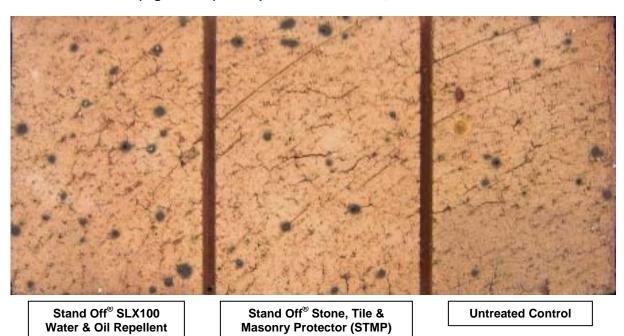


**Photographs** - Stain Repellency

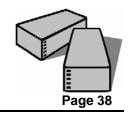
"(Light Flash) Iron Spot Standard Solid"; Stains Applied



"(Light Flash) Iron Spot Standard Solid"; Stains Removed







### <u>Conclusions</u> – Stain Repellency

Based upon laboratory evaluations, Both Stand Off<sup>®</sup> SLX100 Water & Oil Repellent and Stand Off<sup>®</sup> Stone, Tile & Masonry Protector (STMP) improved the surface beading of the samples. In addition, both treatments were effective in repelling the staining agents from the samples.

#### Recommendations - Stain Repellency

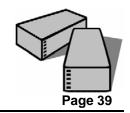
Recommendations for stain resistance treatment for the clay pavers submitted by McNear Brick & Block, San Rafael, CA are provided in the chart below. Recommendations are based on the treatments that proved most effective for providing stain repellency on the submitted clay pavers.

Sample	Stain Repellent	Maintenance Cleaner
All Submitted Clay Pavers	Stand Off <sup>®</sup> SLX100 Water & Oil Repellent OR Stand Off <sup>®</sup> Stone, Tile & Masonry Protector (STMP)	Enviro Klean <sup>®</sup> 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.





#### **Color Enhancement**

#### **Description of Products Evaluated - Color Enhancement**

**Sure Klean® Sand Joint Stabilizer** – A durable, blended polymer which controls erosion of loose sand joints commonly employed with interlocking concrete pavers, clay pavers, natural stone or decorative concrete paving. Sand Joint Stabilizer also consolidates loose sand joints and protects treated paving from water penetration and related staining. Loose laid paved surfaces treated with Sand Joint Stabilizer resist weed growth and are easier to maintain.

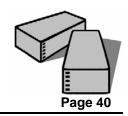
#### **Sample Preparation** – Color Enhancement

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

#### <u>Test Method</u> – Color Enhancement

Sure Klean<sup>®</sup> Sand Joint Stabilizer was plied by brush in accordance with the application instructions in PROSOCO, Inc.'s 2005 Product Guide.





### <u>Test Results</u> – Color Enhancement

Sample	Sure Klean <sup>®</sup> Sand Joint Stabilizer
"(Light Flash) Iron Spot Standard Solid"	2
"Black Hills Standard Solid"	1
"Canyon Standard Bullnose"	1
"Canyon Standard Solid"	1
"Green Hills Standard Solid"	2
"McNear Flash Standard Solid"	1
"McNear Red Standard Solid"	2
"Peacock Standard Solid"	2
"Red Iron Spot Standard Solid"	2
"Red Ruffle Standard Solid"	3
"Repress Red Iron Spot Standard"	2
"Rustic Standard Solid"	2
"Sacramento Rustic Standard Solid"	2
"Sanded Tudor Flash Standard Solid"	1
"Santa Cruz Standard Solid"	1
"Santa Fe Rustic Standard Solid"	2
"Sepia Standard Bullnose"	3
"Sepia Standard Solid"	1
"Tuscan Standard Bullnose"	2
"Tuscan Standard Solid"	2

Scale: 0- No enhancement; dull

1- Slight Enhancement

2- Moderate Enhancement

3- Significant Enhancement



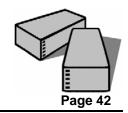


**Photographs** – Color Enhancement

"Tuscan Standard Solid"; Color Enhancement Treatments Applied







#### Recommendations - Color Enhancement

Recommendations for color enhancement for the submitted clay pavers by McNear Brick & Block, San Rafael, CA are provided in the chart below. Recommendations are based on the treatment that proved most effective in providing color enhancement to the submitted samples.

Sample	Color Enhancement
All Submitted Clay Pavers	Sure Klean <sup>®</sup> Sand Joint Stabilizer

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**

# McNear Brick & Block: Clay Pavers San Rafael, CA

Project No. 0504-11 PTP

Prepared For:

McNear Brick & Block One McNear Brickyard Road San Rafael, CA 94901

Prepared By:

PROSOCO, Inc. June 2005