



# *Pallet Tag Program Laboratory Report*

**Galantino Supply Co., Inc.**  
Springfield, PA



*Project No. 2102-03 PTP*

***Prepared For:***



***Prepared By:***

*J. Lucas Comadoll*

J. Lucas Comadoll  
Project Testing Technician  
AMT Laboratories

March 2021



# LABORATORY REPORT

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**FOR:** Vince Galantino, Galantino Supply Co., Inc.  
**cc:** Guy Mazza, PROSOCO, Inc.  
Wayne Pfaff, Thoro System Waterproofing  
Jake Boyer, PROSOCO, Inc.  
Al Morris, PROSOCO, Inc.

**SUBJECT:** Galantino Supply Co., Inc.  
Springfield, PA  
Pallet Tag Evaluation

**DATE:** March 15, 2021  
**PROJECT:** 2102-03 PTP

**SAMPLES SUBMITTED:**

Type	Name	Color	Size
Quartzite	"Autumn Brown"	Brown	5.75" x 5.75" x 1"
Sandstone	"Brown Wave"	Red	5.75" x 5.75" x 1.25"
Granite	"Pennsylvania Black Granite"	Black and Gray	5.75" x 5.75" x 1"
Sandstone	"Pennsylvania Bluestone"	Blue and Green	5.5" x 5.5" x 1"
Quartzitic Sandstone	"West Mountain"	Buff	5.75" x 5.75" x 1"

**SUBMITTED BY:** Vince Galantino  
Galantino Supply Co., Inc.  
725 Old Marple Road  
Springfield, PA 19064

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**PURPOSE OF TEST:**

- To evaluate the color and sheen enhancement characteristics of specific PROSOCO, Inc. treatments on the submitted samples.
- To determine the most appropriate PROSOCO, Inc. water repellent for the submitted samples.
- To determine the effectiveness of appropriate PROSOCO, Inc. products in preventing food and oil staining on the submitted samples.



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**PRODUCTS EVALUATED:**

<b>Color and Sheen Enhancement</b>	<b>Dilution:</b>
PROSOCO® SLX100® Water & Oil Repellent	N/A*
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	N/A*

<b>Water Repellency</b>	<b>Dilution:</b>
PROSOCO® SLX100® Water & Oil Repellent	N/A*
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	N/A*

<b>Stain Resistance</b>	<b>Dilution:</b>
PROSOCO® SLX100® Water & Oil Repellent	N/A*
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	N/A*

**\*NOTE: Per the product data sheet instructions, only use the product in concentrate. Do not dilute.**

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### **SAMPLE PREPARATION: Treatment Application**

Prior to treatment application, the submitted samples were rinsed using masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 25 degree fan spray tip. After the samples were allowed to dry for at least 24 hours, the treatments were applied in accordance with the current PROSOCO, Inc. Product Data Sheet instructions for horizontal surfaces.

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### **TEST METHODS: Color and Sheen Enhancement**

After 72 hours, a visual evaluation was made comparing the untreated control surface to the treated surface to determine the effectiveness of the evaluated products in providing color and/or sheen enhancement to the submitted natural stone samples.

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

- 0 – **No enhancement** compared to untreated surface
- 1 – **Slight enhancement** compared to untreated surface
- 2 – **Moderate enhancement** compared to untreated surface
- 3 – **Significant enhancement** compared to untreated surface

**NOTE:** Due to the surface irregularities and varying nature of the natural stone, the substrate's color and sheen enhancement may vary from one area of the sample to another, as well as from sample to sample.

**TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement**

<b>"Autumn Brown" – Quartzite</b>	<b>Color Enhancement</b>	<b>Sheen Enhancement</b>
PROSOCO® SLX100® Water & Oil Repellent	1	0
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	0	0

**"Autumn Brown" – Quartzite After Application**



**TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)**

<b>"Brown Wave" – Sandstone</b>	<b>Color Enhancement</b>	<b>Sheen Enhancement</b>
PROSOCO® SLX100® Water & Oil Repellent	0	0
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	0	0

**"Brown Wave" – Sandstone After Application**





**TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)**

<b>"Pennsylvania Black Granite" – Granite</b>	<b>Color Enhancement</b>	<b>Sheen Enhancement</b>
PROSOCO® SLX100® Water & Oil Repellent	0	0
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	0	0

**"Pennsylvania Black Granite" – Granite After Application**





**TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)**

<b>"Pennsylvania Bluestone" – Sandstone</b>	<b>Color Enhancement</b>	<b>Sheen Enhancement</b>
PROSOCO® SLX100® Water & Oil Repellent	0	0
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	0	0

**"Pennsylvania Bluestone" – Sandstone After Application**



**TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)**

<b>“West Mountain” – Quartzitic Sandstone</b>	<b>Color Enhancement</b>	<b>Sheen Enhancement</b>
PROSOCO® SLX100® Water & Oil Repellent	0	0
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	0	0

**“West Mountain” – Quartzitic Sandstone After Application**



**CONCLUSIONS – Color and Sheen Enhancement**

PROSOCO® SLX100® Water & Oil Repellent and Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP) provided either slight or no color enhancement to the submitted samples. No sheen enhancement was observed.

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

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**RECOMMENDATIONS: Color and Sheen Enhancement**

Recommendations for color and sheen enhancement for each type of natural stone submitted by Galantino Supply Co., Inc., Springfield, PA are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Color and Sheen Enhancement
"Autumn Brown" – Quartzite	PROSOCO® SLX100® Water & Oil Repellent (Resulted in slight color enhancement)
"Brown Wave" – Sandstone	Neither product caused any color or sheen enhancement.
"Pennsylvania Black Granite" – Granite	
"Pennsylvania Bluestone" – Sandstone	
"West Mountain" – Quartzitic Sandstone	

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 treatment and procedures for a particular project. See product literature for additional application and product information.

## TEST METHODS: Water Repellency

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

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

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

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

**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 5.0 ml of water or more, then:

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

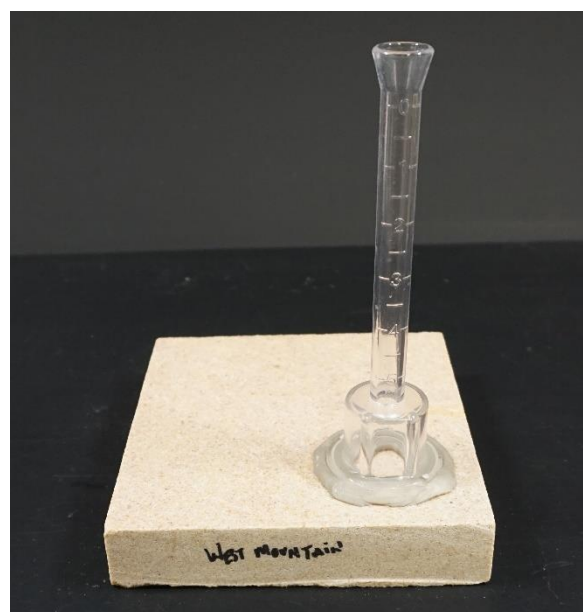
$$5.0 \text{ mL} \times 20\% = \mathbf{1.0 \text{ mL}}$$

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

$$5.0 \text{ mL} \times 50\% = \mathbf{2.5 \text{ mL}}$$

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

$$5.0 \text{ mL} \times 50\% = \mathbf{2.5 \text{ mL}}$$



## TEST RESULTS AND PHOTOGRAPHS: Water Repellency

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

AA = Above Average    A = Average    BA = Below Average

<b>"Autumn Brown" – Quartzite</b>	<b>Results in mL loss</b>	<b><u>Ranking</u></b>
Untreated Control	-0.0	--
PROSOCO® SLX100® Water & Oil Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	-0.0	<u>AA</u>

<b>"Brown Wave" – Sandstone</b>	<b>Results in mL loss</b>	<b><u>Ranking</u></b>
Untreated Control	-0.0	--
PROSOCO® SLX100® Water & Oil Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	-0.0	<u>AA</u>

<b>"Pennsylvania Black Granite" – Granite</b>	<b>Results in mL loss</b>	<b><u>Ranking</u></b>
Untreated Control	-0.0	--
PROSOCO® SLX100® Water & Oil Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	-0.0	<u>AA</u>

<b>"Pennsylvania Bluestone" – Sandstone</b>	<b>Results in mL loss</b>	<b><u>Ranking</u></b>
Untreated Control	-0.0	--
PROSOCO® SLX100® Water & Oil Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	-0.0	<u>AA</u>

<b>"West Mountain" – Quartzitic Sandstone</b>	<b>Results in mL loss</b>	<b><u>Ranking</u></b>
Untreated Control	-0.0	--
PROSOCO® SLX100® Water & Oil Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)	-0.0	<u>AA</u>



## CONCLUSIONS: Water Repellency

Based on the laboratory evaluations, neither the treated areas nor the untreated controls absorbed any water from the RILEM tubes. Although none of the untreated areas in the 20 minute RILEM test absorbed any water, the treatments will likely provide long-term water repellent protection and help to prevent water-related staining.

## RECOMMENDATIONS: Water Repellency

Recommendations for water repellency for each type of natural stone submitted by Galantino Supply Co., Inc., Springfield, PA are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Water Repellency
"Autumn Brown" – Quartzite	PROSOCO® SLX100® Water & Oil Repellent OR Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)
"Brown Wave" – Sandstone	
"Pennsylvania Black Granite" – Granite	
"Pennsylvania Bluestone" – Sandstone	
"West Mountain" – Quartzitic Sandstone	

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 treatment and procedures for a particular project. See product literature for additional application and product information.



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## **SAMPLE PREPARATION: Treatments**

Each stain repellent was applied in accordance with the current PROSOCO, Inc. Product Data Sheet instructions for horizontal application. The treatments were allowed to cure for at least 72 hours prior to the stain testing described below.

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## **TEST METHODS: Surface Beading Evaluation**

### **Food and Oil Products Evaluated for Stain Testing:**

Coca Cola  
Ketchup  
Mustard  
Red wine  
Balsamic vinegar  
Soy sauce  
Olive oil  
Wesson oil  
Coffee

### **Temperature:**

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

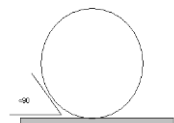
The food and oil products were applied to the test areas by using a dropper creating a bead 0.5 – 1.0 cm in diameter. The beading properties of the oils and liquids were visually evaluated within two minutes after application. The results are reported as a rating based on the angle of contact between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

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

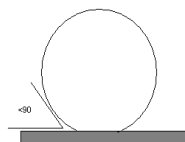
## TEST METHODS: Surface Beading Evaluation (cont.)

### Rating System (1-5)

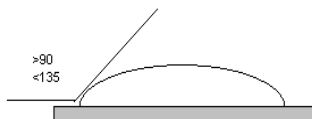
1. No wetting of contact area (no darkening); angle less than  $90^\circ$



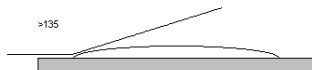
2. Wetting contained to the contact area (slight darkening); angle is less than  $90^\circ$



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



4. Wetting beyond the contact area (darkening); angle is greater than  $135^\circ$



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



**TEST RESULTS: Surface Beading Evaluation**

<b>“Autumn Brown” – Quartzite</b>			
	<b>Untreated</b>	<b>SLX100®</b>	<b>STMP</b>
<b>Coca Cola</b>	4	3	3
<b>Ketchup</b>	N/A	N/A	N/A
<b>Mustard</b>	N/A	N/A	N/A
<b>Red Wine</b>	4	3	3
<b>Bals. Vin.</b>	4	3	3
<b>Soy Sauce</b>	4	3	3
<b>Olive Oil</b>	5	3	3
<b>Wesson Oil</b>	5	3	3
<b>Hot Coffee</b>	4	3	3

<b>“Brown Wave” – Sandstone</b>			
	<b>Untreated</b>	<b>SLX100®</b>	<b>STMP</b>
<b>Coca Cola</b>	5	3	3
<b>Ketchup</b>	N/A	N/A	N/A
<b>Mustard</b>	N/A	N/A	N/A
<b>Red Wine</b>	5	3	3
<b>Bals. Vin.</b>	5	3	3
<b>Soy Sauce</b>	5	3	3
<b>Olive Oil</b>	5	3	3
<b>Wesson Oil</b>	5	3	3
<b>Hot Coffee</b>	5	3	3

N/A – non-free flowing staining agent

**TEST RESULTS: Surface Beading Evaluation**

<b>“Pennsylvania Black Granite” – Granite</b>			
	<b>Untreated</b>	<b>SLX100®</b>	<b>STMP</b>
<b>Coca Cola</b>	4	3	3
<b>Ketchup</b>	N/A	N/A	N/A
<b>Mustard</b>	N/A	N/A	N/A
<b>Red Wine</b>	4	3	3
<b>Bals. Vin.</b>	4	3	3
<b>Soy Sauce</b>	4	3	3
<b>Olive Oil</b>	5	3	3
<b>Wesson Oil</b>	5	3	3
<b>Hot Coffee</b>	4	3	3

<b>“Pennsylvania Bluestone” – Sandstone</b>			
	<b>Untreated</b>	<b>SLX100®</b>	<b>STMP</b>
<b>Coca Cola</b>	4	3	3
<b>Ketchup</b>	N/A	N/A	N/A
<b>Mustard</b>	N/A	N/A	N/A
<b>Red Wine</b>	4	3	3
<b>Bals. Vin.</b>	4	3	3
<b>Soy Sauce</b>	4	3	3
<b>Olive Oil</b>	5	3	3
<b>Wesson Oil</b>	5	3	3
<b>Hot Coffee</b>	4	3	3

N/A – non-free flowing staining agent

**TEST RESULTS: Surface Beading Evaluation**

<b>"West Mountain" – Quartzitic Sandstone</b>			
	<b>Untreated</b>	<b>SLX100®</b>	<b>STMP</b>
<b>Coca Cola</b>	4	3	3
<b>Ketchup</b>	N/A	N/A	N/A
<b>Mustard</b>	N/A	N/A	N/A
<b>Red Wine</b>	4	3	3
<b>Bals. Vin.</b>	4	3	3
<b>Soy Sauce</b>	4	3	3
<b>Olive Oil</b>	5	3	3
<b>Wesson Oil</b>	5	3	3
<b>Hot Coffee</b>	4	3	3

N/A – non-free flowing staining agent

## TEST METHODS: Stain Resistance Evaluation

The soiling agents were allowed to dwell on the treated and untreated substrate 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 with ten parts water and scrubbed under a stream of running water. The 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 AND PHOTOGRAPHS: Stain Resistance Evaluation

### “Autumn Brown” – Quartzite

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
4 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
1 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
PROSOCO® SLX100® Water & Oil Repellent									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	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%
Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP)									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	100%	100%	100%	50%	50%	100%
4 hour	100%	100%	100%	100%	100%	100%	80%	70%	100%
1 hour	100%	100%	100%	100%	100%	100%	98%	90%	100%
10 min.	100%	100%	100%	100%	100%	100%	98%	98%	100%

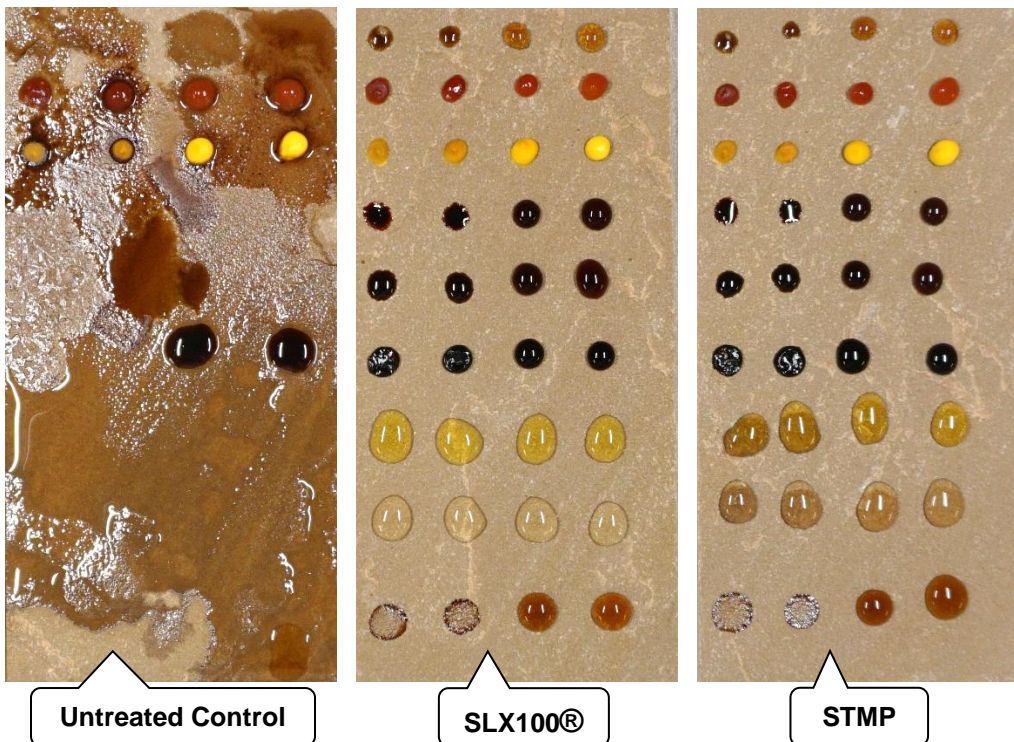
% Removal of stain following maintenance cleaning.

\* Indicates etching of surface treatment due to the acidic nature of the staining agent.

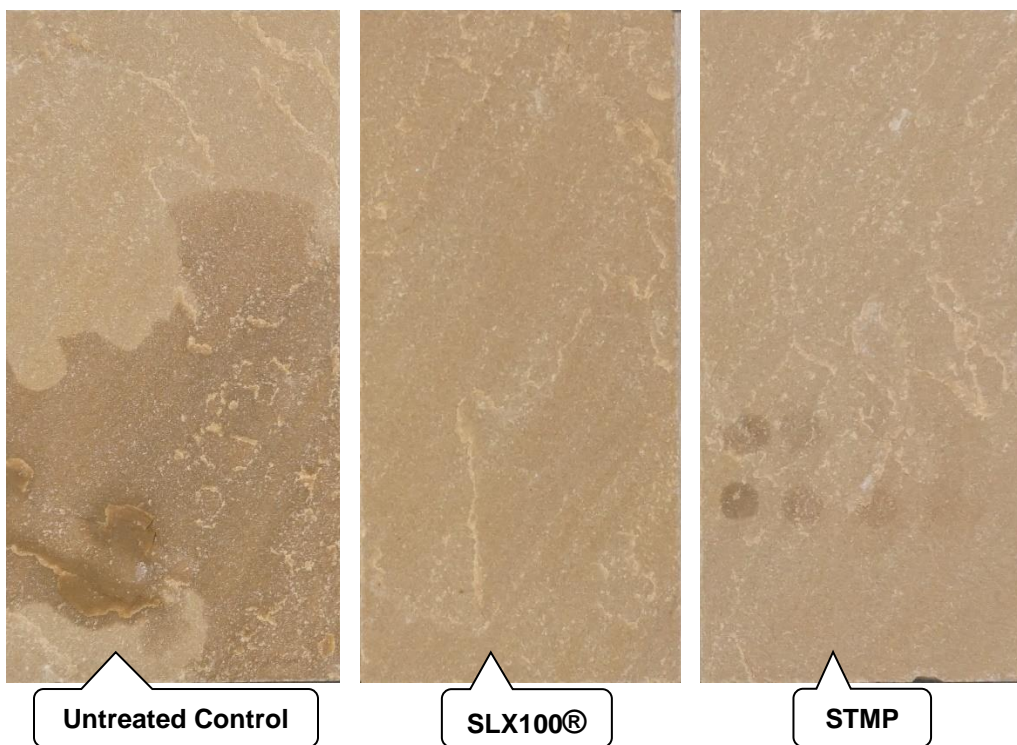


## TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)

### “Autumn Brown” – Quartzite With Stains



### “Autumn Brown” – Quartzite After Stain Testing



**TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)**

**“Brown Wave” – Sandstone**

% Removal

<b>Untreated Control</b>									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
4 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
1 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
10 min.	100%	100%	100%	100%	100%	100%	10%	10%	100%
<b>PROSOCO® SLX100® Water &amp; Oil Repellent</b>									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	100%	100%	100%	50%	50%	100%
4 hour	100%	100%	100%	100%	100%	100%	70%	70%	100%
1 hour	100%	100%	100%	100%	100%	100%	90%	90%	100%
10 min.	100%	100%	100%	100%	100%	100%	98%	98%	100%
<b>Sure Klean® Weather Seal Stone, Tile &amp; Masonry Protector (STMP)</b>									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	100%	100%	100%	30%	30%	100%
4 hour	100%	100%	100%	100%	100%	100%	50%	50%	100%
1 hour	100%	100%	100%	100%	100%	100%	70%	70%	100%
10 min.	100%	100%	100%	100%	100%	100%	90%	90%	100%

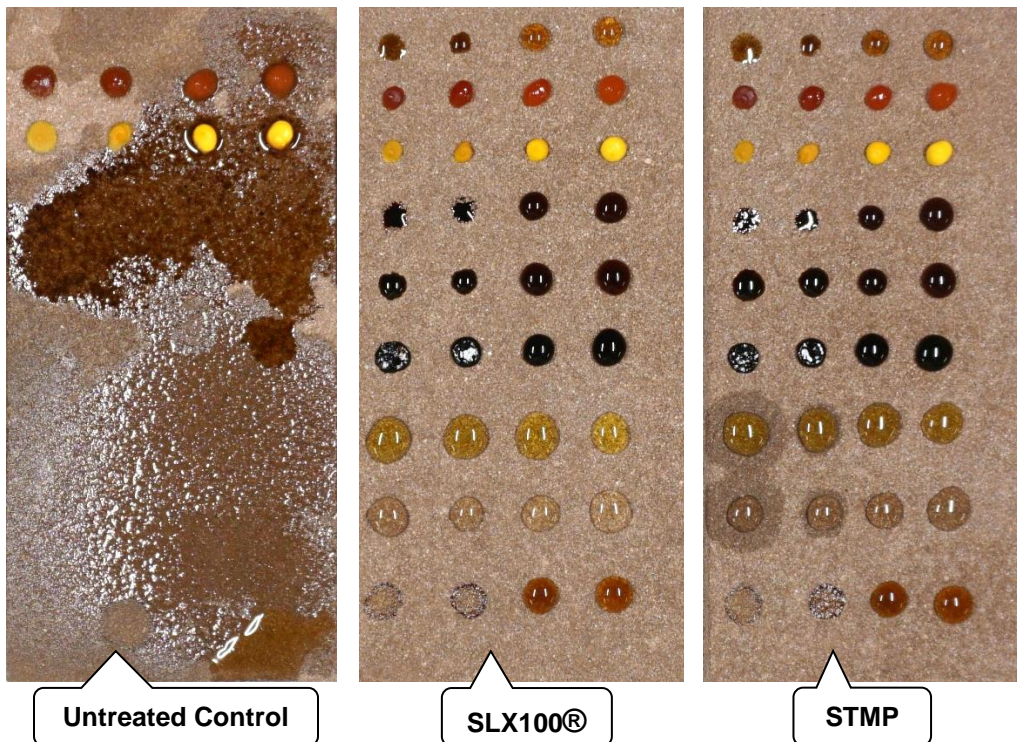
% Removal of stain following maintenance cleaning.

\* Indicates etching of surface treatment due to the acidic nature of the staining agent.

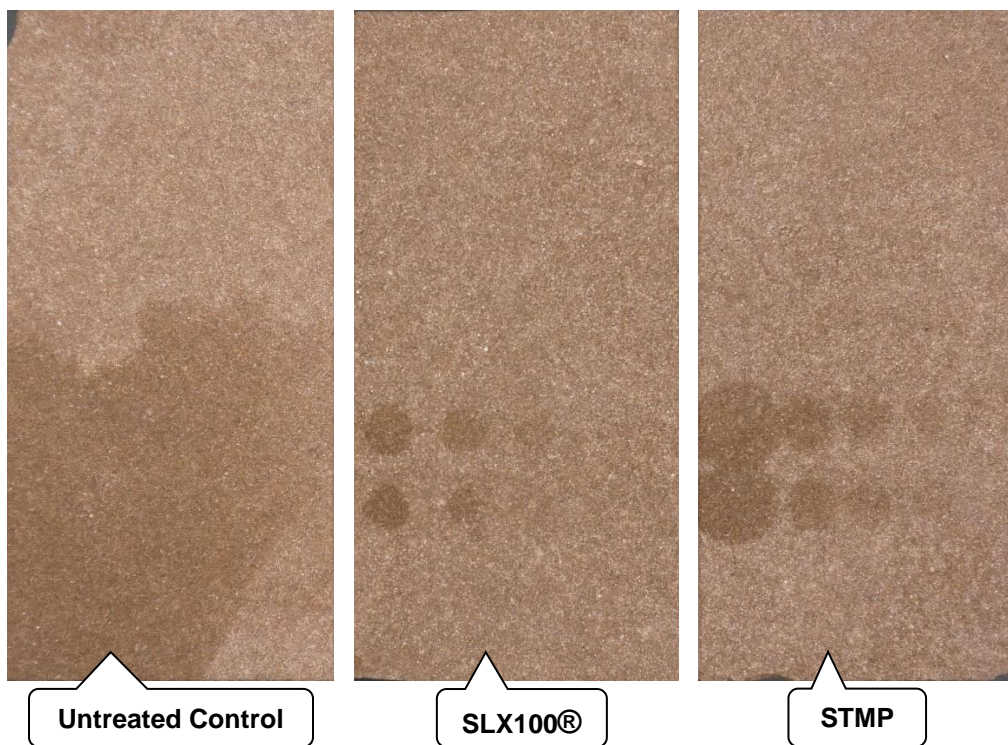


**TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)**

**“Brown Wave” – Sandstone With Stains**



**“Brown Wave” – Sandstone After Stain Testing**



**TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)**

**“Pennsylvania Black Granite” – Granite**

% Removal

<b>Untreated Control</b>									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
4 hour	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
1 hour	100%	100%	100%	100%	100%	100%	10%	10%	100%
10 min.	100%	100%	100%	100%	100%	100%	20%	20%	100%
<b>PROSOCO® SLX100® Water &amp; Oil Repellent</b>									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	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%
<b>Sure Klean® Weather Seal Stone, Tile &amp; Masonry Protector (STMP)</b>									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	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%

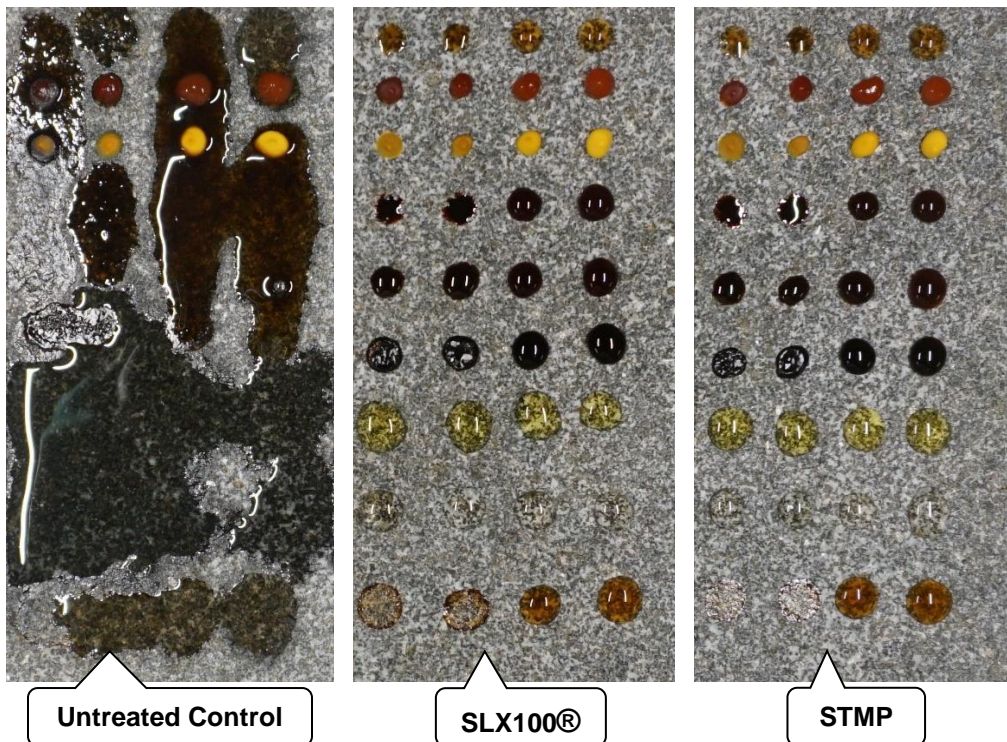
% Removal of stain following maintenance cleaning.

\* Indicates etching of surface treatment due to the acidic nature of the staining agent.



**TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)**

**“Pennsylvania Black Granite” – Granite With Stains**



**“Pennsylvania Black Granite” – Granite After Stain Testing**



**TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)**

**“Pennsylvania Bluestone” – Sandstone**

% Removal

<b>Untreated Control</b>									
	<b>Cola</b>	<b>Ketch.</b>	<b>Must.</b>	<b>Red Wine</b>	<b>Bals. Vin.</b>	<b>Soy Sauce</b>	<b>Olive Oil</b>	<b>Wesson Oil</b>	<b>Coffee</b>
<b>24 hour</b>	100%	100%	80%	80%	80%	80%	<1%	<1%	100%
<b>4 hour</b>	100%	100%	90%	100%	100%	100%	<1%	<1%	100%
<b>1 hour</b>	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
<b>10 min.</b>	100%	100%	100%	100%	100%	100%	<1%	<1%	100%
<b>PROSOCO® SLX100® Water &amp; Oil Repellent</b>									
	<b>Cola</b>	<b>Ketch.</b>	<b>Must.</b>	<b>Red Wine</b>	<b>Bals. Vin.</b>	<b>Soy Sauce</b>	<b>Olive Oil</b>	<b>Wesson Oil</b>	<b>Coffee</b>
<b>24 hour</b>	100%	100%	100%	100%	100%	100%	80%	70%	100%
<b>4 hour</b>	100%	100%	100%	100%	100%	100%	90%	90%	100%
<b>1 hour</b>	100%	100%	100%	100%	100%	100%	98%	100%	100%
<b>10 min.</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%
<b>Sure Klean® Weather Seal Stone, Tile &amp; Masonry Protector (STMP)</b>									
	<b>Cola</b>	<b>Ketch.</b>	<b>Must.</b>	<b>Red Wine</b>	<b>Bals. Vin.</b>	<b>Soy Sauce</b>	<b>Olive Oil</b>	<b>Wesson Oil</b>	<b>Coffee</b>
<b>24 hour</b>	100%	100%	100%	100%	100%	100%	70%	50%	100%
<b>4 hour</b>	100%	100%	100%	100%	100%	100%	80%	70%	100%
<b>1 hour</b>	100%	100%	100%	100%	100%	100%	98%	98%	100%
<b>10 min.</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%

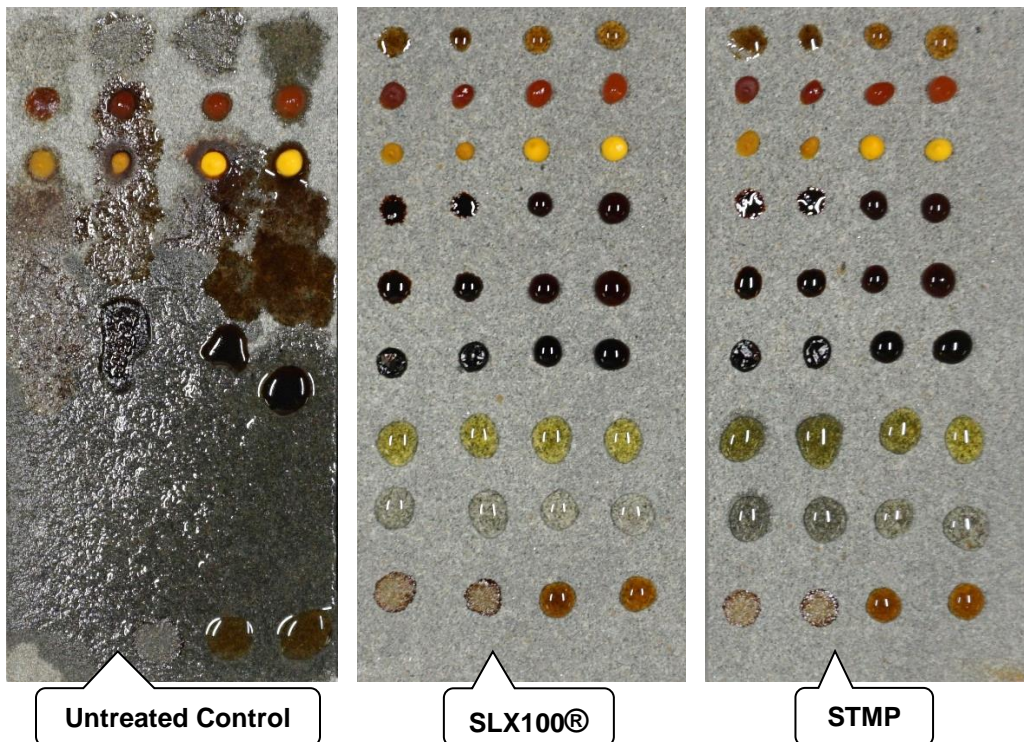
% Removal of stain following maintenance cleaning.

\* Indicates etching of surface treatment due to the acidic nature of the staining agent.

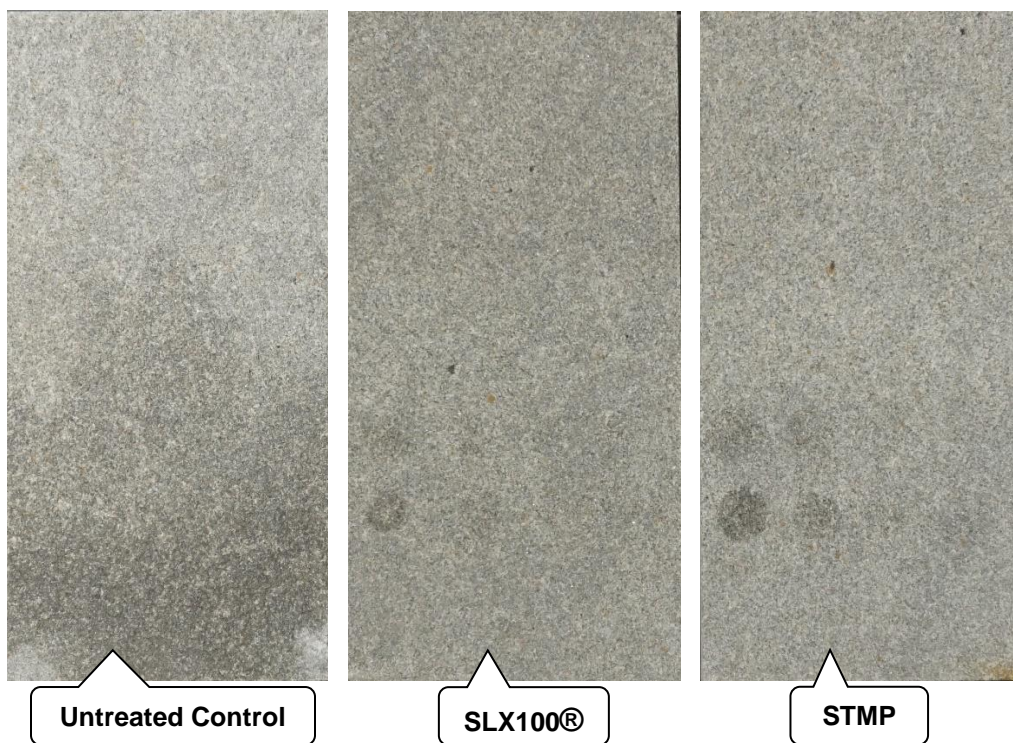


**TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)**

**“Pennsylvania Bluestone” – Sandstone With Stains**



**“Pennsylvania Bluestone” – Sandstone After Stain Testing**



**TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)**

**“West Mountain” – Quartzitic Sandstone**

% Removal

<b>Untreated Control</b>									
	<b>Cola</b>	<b>Ketch.</b>	<b>Must.</b>	<b>Red Wine</b>	<b>Bals. Vin.</b>	<b>Soy Sauce</b>	<b>Olive Oil</b>	<b>Wesson Oil</b>	<b>Coffee</b>
<b>24 hour</b>	100%	100%	80%	90%	90%	90%	<1%	<1%	100%
<b>4 hour</b>	100%	100%	100%	100%	90%	100%	<1%	<1%	100%
<b>1 hour</b>	100%	100%	100%	100%	100%	100%	10%	10%	100%
<b>10 min.</b>	100%	100%	100%	100%	100%	100%	20%	20%	100%
<b>PROSOCO® SLX100® Water &amp; Oil Repellent</b>									
	<b>Cola</b>	<b>Ketch.</b>	<b>Must.</b>	<b>Red Wine</b>	<b>Bals. Vin.</b>	<b>Soy Sauce</b>	<b>Olive Oil</b>	<b>Wesson Oil</b>	<b>Coffee</b>
<b>24 hour</b>	100%	100%	100%	100%	100%	100%	70%	70%	100%
<b>4 hour</b>	100%	100%	100%	100%	100%	100%	98%	98%	100%
<b>1 hour</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%
<b>10 min.</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%
<b>Sure Klean® Weather Seal Stone, Tile &amp; Masonry Protector (STMP)</b>									
	<b>Cola</b>	<b>Ketch.</b>	<b>Must.</b>	<b>Red Wine</b>	<b>Bals. Vin.</b>	<b>Soy Sauce</b>	<b>Olive Oil</b>	<b>Wesson Oil</b>	<b>Coffee</b>
<b>24 hour</b>	100%	100%	100%	100%	100%	100%	80%	80%	100%
<b>4 hour</b>	100%	100%	100%	100%	100%	100%	90%	100%	100%
<b>1 hour</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%
<b>10 min.</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%

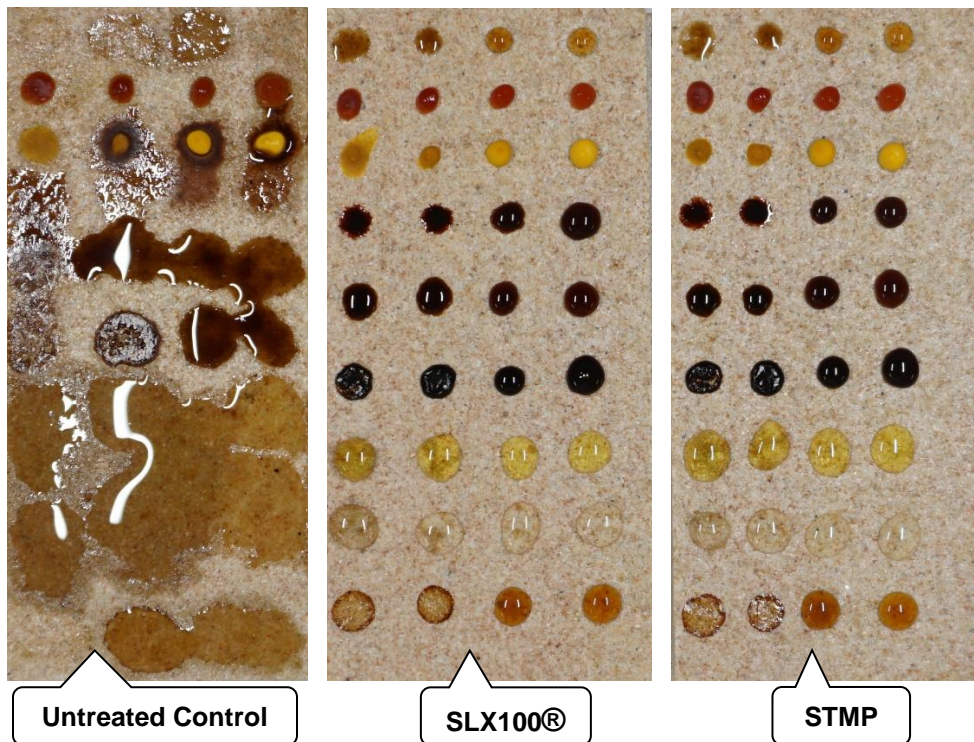
% Removal of stain following maintenance cleaning.

\* Indicates etching of surface treatment due to the acidic nature of the staining agent.

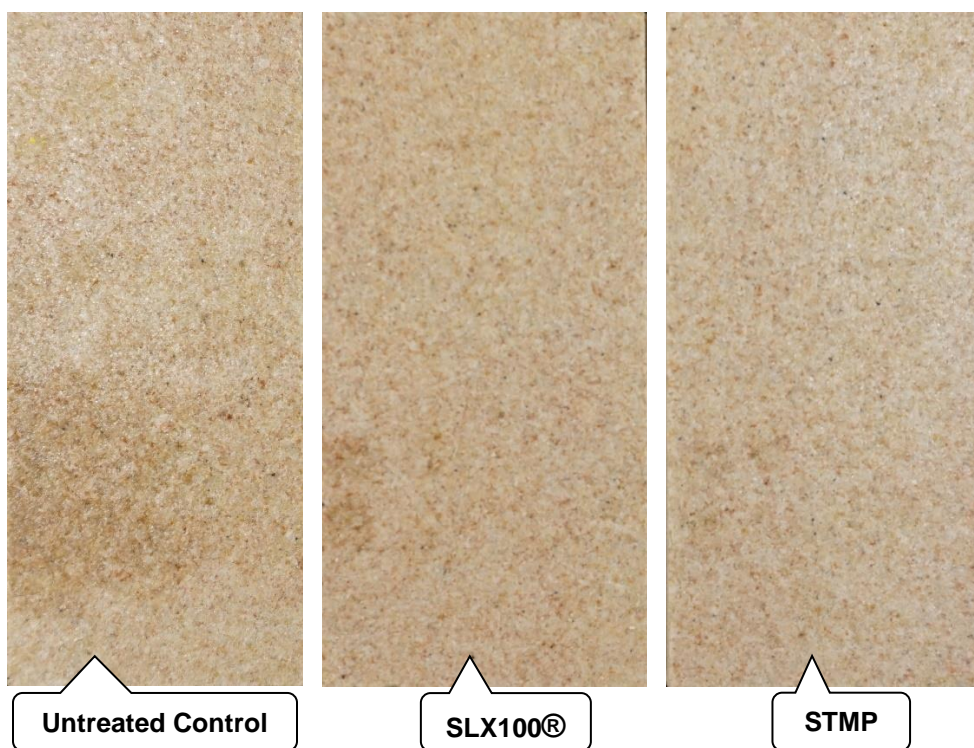


## TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)

### “West Mountain” – Quartzitic Sandstone With Stains



### “West Mountain” – Quartzitic Sandstone After Stain Testing



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## **CONCLUSIONS: Surface Beading and Stain Resistance**

In the surface beading evaluation, PROSOCO® SLX100® Water & Oil Repellent and Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP) had small angles of contact with each stain applied on the submitted samples. This small angle correlates to “above average” repellency.

In the stain resistance tests conducted, PROSOCO® SLX100® Water & Oil Repellent and Sure Klean® Weather Seal Stone, Tile & Masonry Protector (STMP) proved effective at repelling the applied stains on the submitted samples. However, PROSOCO® SLX100® Water & Oil Repellent was the most effective treatment.

**NOTE:** Due to the surface irregularities of natural stone, the substrate’s stain resistance may vary from one area of the stone to another.

## RECOMMENDATIONS: Stain Resistance

Recommendations for stain resistance for each type of natural stone submitted by Galantino Supply Co., Inc., Springfield, PA are provided in the chart below. Recommendations are based on the treatments that proved most effective for providing stain repellency on the submitted natural stone.

Sample	Stain Resistance
"Autumn Brown" – Quartzite	<p><b><u>Stain Repellents</u></b>  <sup>1</sup>PROSOCO® SLX100® Water &amp; Oil Repellent  OR  <sup>2</sup>Sure Klean® Weather Seal Stone, Tile &amp; Masonry Protector (STMP)</p> <p><b><u>Maintenance Cleaner</u></b>  Enviro Klean® 2010 All Surface Cleaner (1:10)</p>
"Brown Wave" – Sandstone	
"Pennsylvania Black Granite" – Granite	
"Pennsylvania Bluestone" – Sandstone	
"West Mountain" – Quartzitic Sandstone	

NOTE: "1" indicates the most effective product and "2" indicates the second most effective product.

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

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



J. Lucas Comadoll  
QC/Project Testing Technician

**ALL SAMPLES SUPPLIED FOR THE ABOVE EVALUATION WILL BE DISPOSED OF THIRTY (30) DAYS AFTER THE ISSUE DATE OF THIS REPORT. IF SAMPLES ARE TO BE RETAINED FOR ADDITIONAL TESTING OR RETURNED TO THE SENDER, PROVIDE WRITTEN INSTRUCTIONS TO THE LABORATORY WITHIN THIRTY (30) DAYS OF THE ISSUE DATE OF THIS REPORT.**

Recommendations made within this report are based on laboratory test applications and observations. Final determination of the suitability of a product and/or procedure should be made only after thorough job testing on actual surfaces.