



Pallet Tag Program Laboratory Report

Instone
Alsip, IL



Project No. 2401-07 PTP

Prepared For:



Prepared By:

J. Lucas Comadoll

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Chemist
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May 2024



Laboratory Report

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FOR: Rob McKay, Instone
cc: Jim Lucas, JN Lucas & Associates, Inc.
Mike Starkey, PROSOCO, Inc.
Ken Rathbun, PROSOCO, Inc.
Jake Boyer, PROSOCO, Inc.

SUBJECT: Instone
Alsip, IL
Pallet Tag Evaluation

DATE: May 31, 2024
PROJECT: 2401-07 PTP

SAMPLES SUBMITTED: Seventeen types of natural stone

Type	Name	Color	Size
Marble	"Arctic Cloud Marble"	Gray, White	12" x 12" x 3/8"
Marble	"Misty Blue Marble"	Light Blue, White	16" x 16" x 1 1/4"
Travertine	"Silver Travertine"	Brown, Buff, White	16" x 16" x 1 1/4"
Travertine	"Walnut Travertine"	Buff	16" x 16" x 1 1/4"
Granite	"Blue Mist Granite"	Blue, Gray	24" x 12" x 1"
Granite	"Imported Gray Granite"	Black, Gray, White	24" x 12" x 1"
Granite	"Phoenician Granite"	Black, Pink, White	24" x 12" x 1"
Granite	"Sandy Point Granite"	Black, White, Yellow	24" x 12" x 1"
Granite	"Silver Ridge Granite"	Gray, Green, White	24" x 12" x 1"
Bluestone	"Italian Bluestone"	Gray	24" x 12" x 1 1/4"
Bluestone	"Premium Dark Bluestone"	Dark Gray	24" x 12" x 1 1/4"
Sandstone	"Autumn Brown Natural Sandstone"	Brown	24" x 12" x 1"
Sandstone	"Autumn Brown Thermal Sandstone"	Brown	24" x 12" x 1"
Sandstone	"Blue Ice Natural Cleft Sandstone"	Gray	24" x 12" x 1"
Sandstone	"Blue Ice Thermal Sandstone"	Gray	24" x 12" x 1"
Sandstone	"Golden Quartz"	Light Blue, Yellow	24" x 12" x 1"
Sandstone	"Oxford Buff"	Buff	24" x 12" x 1"

SUBMITTED BY: Rob McKay
Chief Operating Officer/Chief Marketing Officer
Instone
5141 W 122nd Street
Alsip, IL 60803

PURPOSE OF TEST:

- To determine the most appropriate PROSOCO, Inc. new construction cleaner(s) for the submitted samples.
- To evaluate the color and sheen enhancement characteristics of specific PROSOCO, Inc. products 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.

PRODUCTS EVALUATED:

New Construction Cleaning	Dilution:
Sure Klean® Vana Trol®	1:6; 1:8
Sure Klean® Light Duty Concrete Cleaner	1:2; 1:3
Enviro Klean® Safety Klean	1:2, 1:3

Color and Sheen Enhancement (Where Applicable)	Dilution:
Sure Klean® Weather Seal Gloss 'N Guard	N/A*
Sure Klean® Weather Seal Satin Guard WB	N/A*
Sure Klean® Weather Seal Natural Stone Treatment VOC	N/A*
Sure Klean® Weather Seal Natural Stone Treatment WB	N/A*
Sure Klean® Weather Seal Color Enhancer VOC	N/A*
Sure Klean® Weather Seal Color Enhancer WB	N/A*
Sure Klean® Weather Seal Paver Enhancer	N/A*
PROSOCO® Silane 100	N/A*

Water Repellency (Where Applicable)	Dilution:
Sure Klean® Weather Seal Natural Stone Treatment VOC	N/A*
Sure Klean® Weather Seal Natural Stone Treatment WB	N/A*
Sure Klean® Weather Seal Color Enhancer VOC	N/A*
Sure Klean® Weather Seal Color Enhancer WB	N/A*
Sure Klean® Weather Seal Paver Enhancer	N/A*
PROSOCO® Silane 100	N/A*

Stain Resistance (Where Applicable)	Dilution:
Sure Klean® Weather Seal Gloss 'N Guard	N/A*
Sure Klean® Weather Seal Satin Guard WB	N/A*

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

TEST METHODS: New Construction Cleaning

Sure Klean® Vana Trol®, Sure Klean® Light Duty Concrete Cleaner, and Enviro Klean® Safety Klean were evaluated to determine the optimal concentration of cleaner which leaves the external surface looking most like the uncleaned surface of the submitted natural stone.

Surface Finish Removal is the visual examination of the sample comparing the surface finish of the uncleaned surface to the surface finish cleaned with selected product(s) at given dilutions.

Substrate Deterioration is the visual examination of the sample comparing the uncleaned surface to surfaces cleaned with selected product(s) at given dilutions looking for any potential erosion/digestion of the sample.

Color Change is the visual examination comparing the color of the uncleaned surface to the color of surfaces cleaned with selected products at given dilutions.

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

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

- 0 – **No change** compared to uncleaned surface
- 1 – **Slight change** compared to uncleaned surface
- 2 – **Moderate change** compared to uncleaned surface
- 3 – **Significant change** compared to uncleaned surface

Cleaning Procedure:

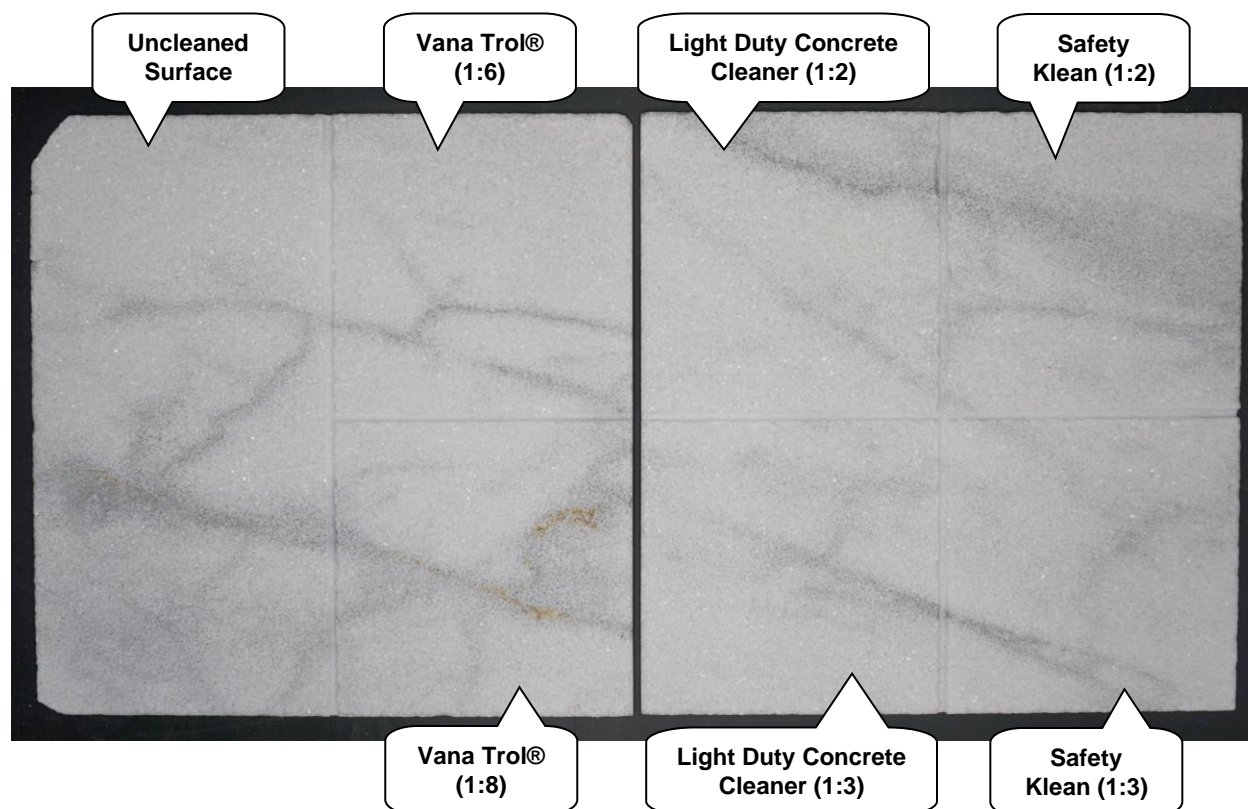
1. Pre-wet the surface and apply diluted cleaning solution according to PROSOCO, Inc. Product Data Sheet.
2. Allow for an appropriate dwell time and periodically agitate:
 - Vana Trol®.....5 minutes
 - Light Duty Concrete Cleaner.....5 minutes
 - Safety Klean.....5 minutes
3. Reapply cleaning solution; do not let cleaner dry into sample.
4. Rinse thoroughly with plenty of fresh water.*
5. Allow the sample to dry for at least 18 hours and visually examine.
6. Compare the uncleaned surfaces to the cleaned surfaces for the best match.

***Rinsing Equipment** – Masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 40 degree fan spray tip was used for rinsing.

TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning

Name: "Arctic Cloud Marble"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

"Arctic Cloud Marble" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Misty Blue Marble"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

"Misty Blue Marble" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Silver Travertine"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

"Silver Travertine" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Walnut Travertine"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

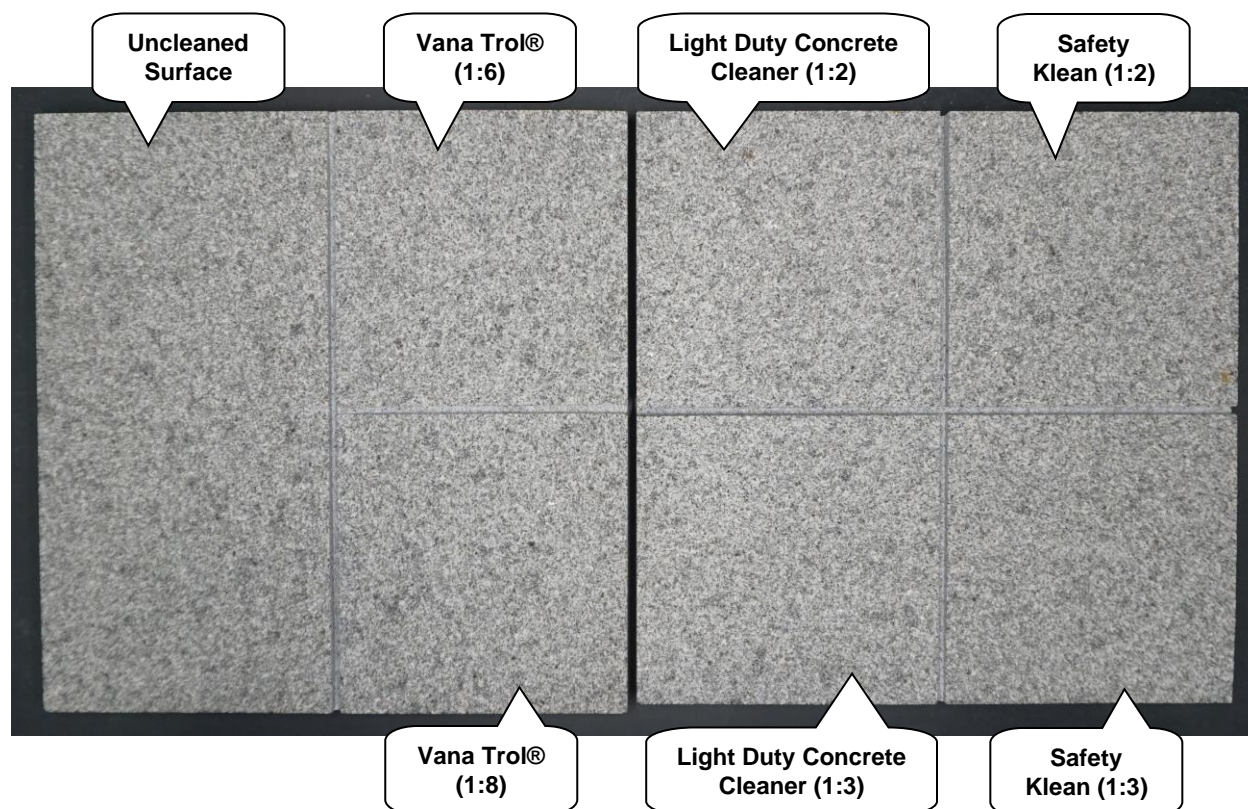
"Walnut Travertine" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Blue Mist Granite"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

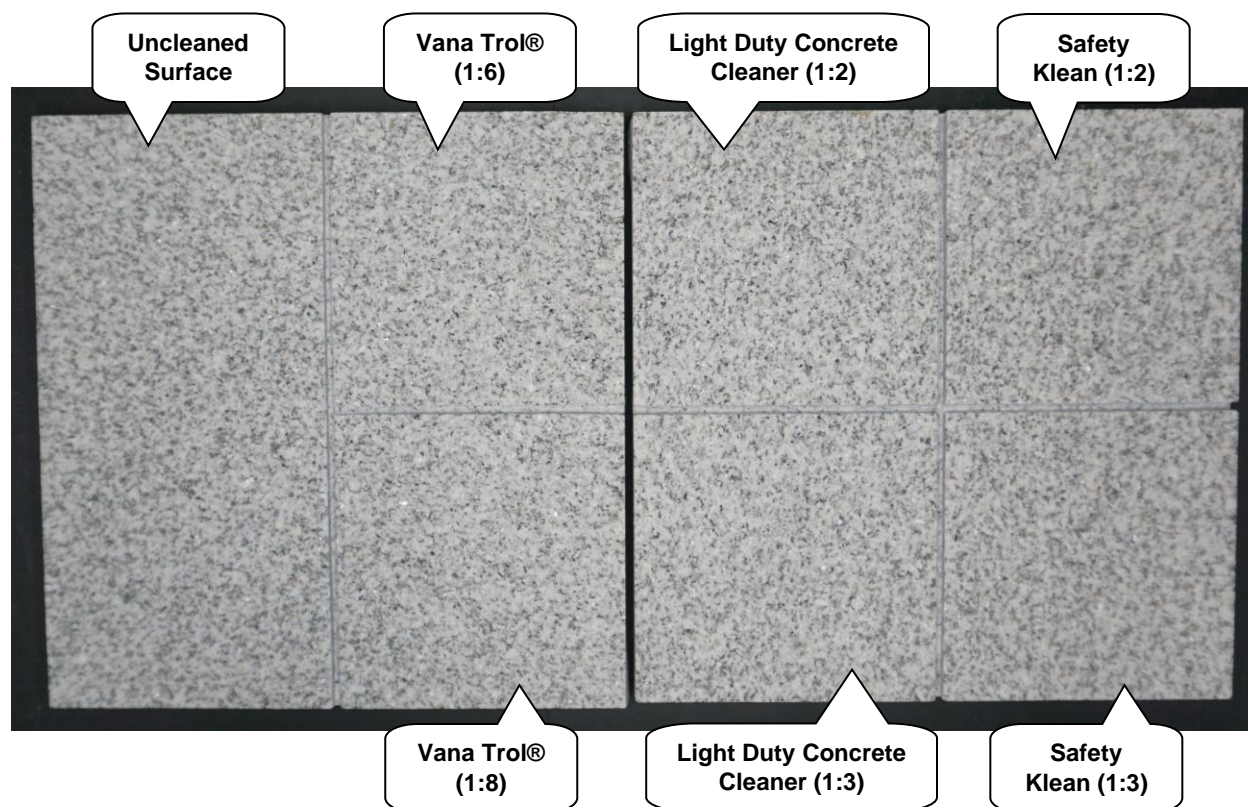
"Blue Mist Granite" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Imported Gray Granite"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

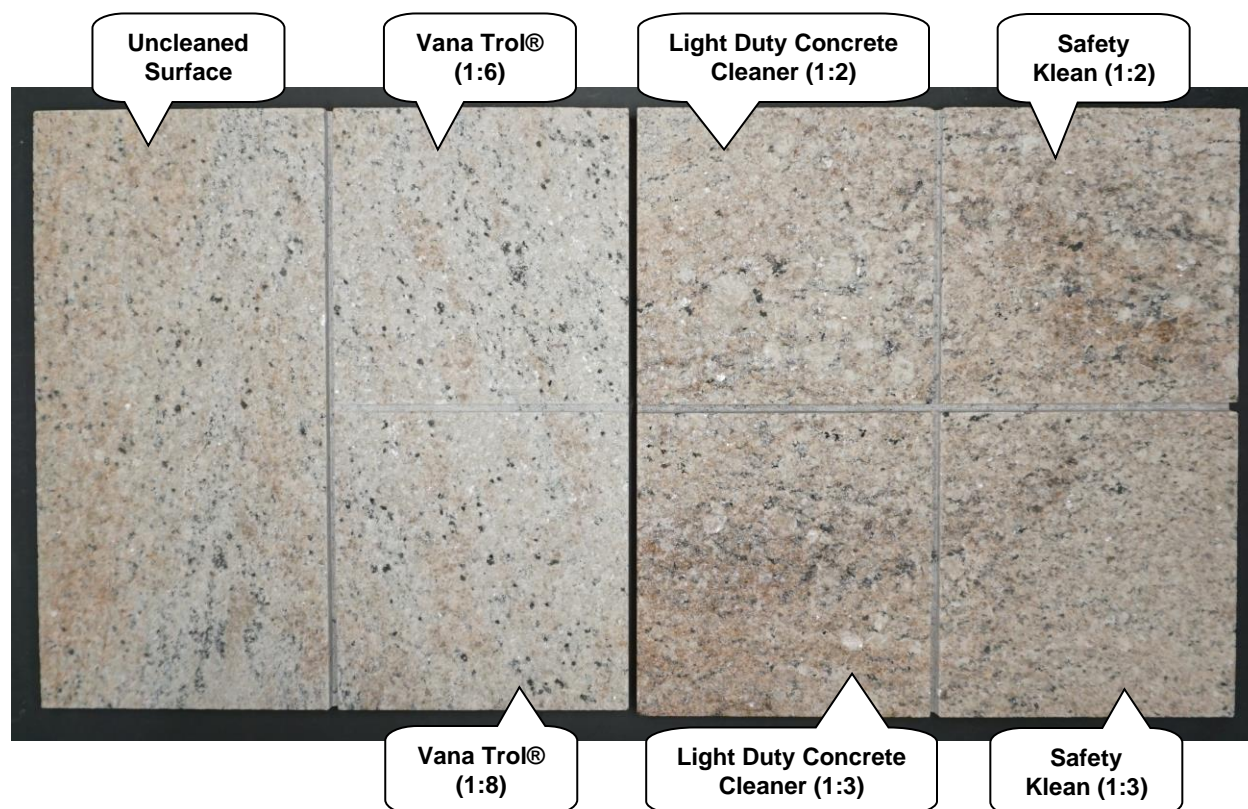
"Imported Gray Granite" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Phoenician Granite"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

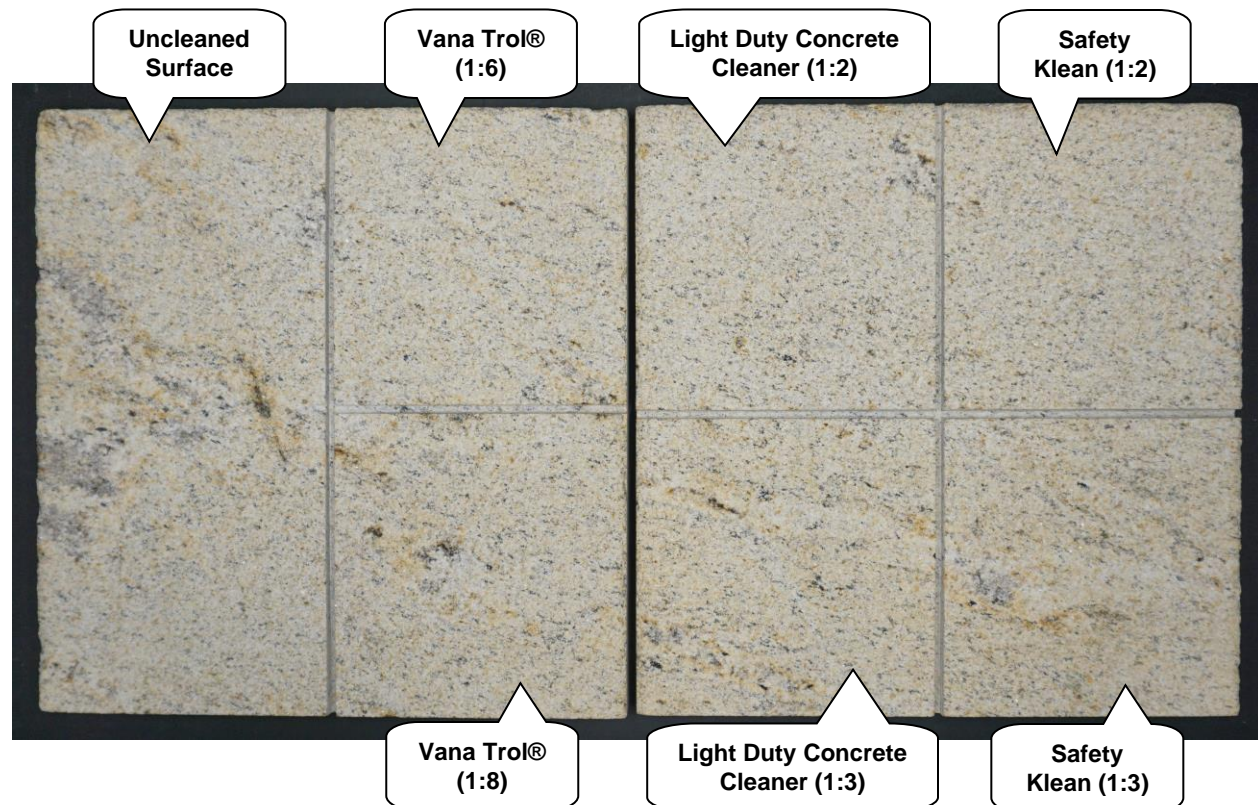
"Phoenician Granite" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Sandy Point Granite"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

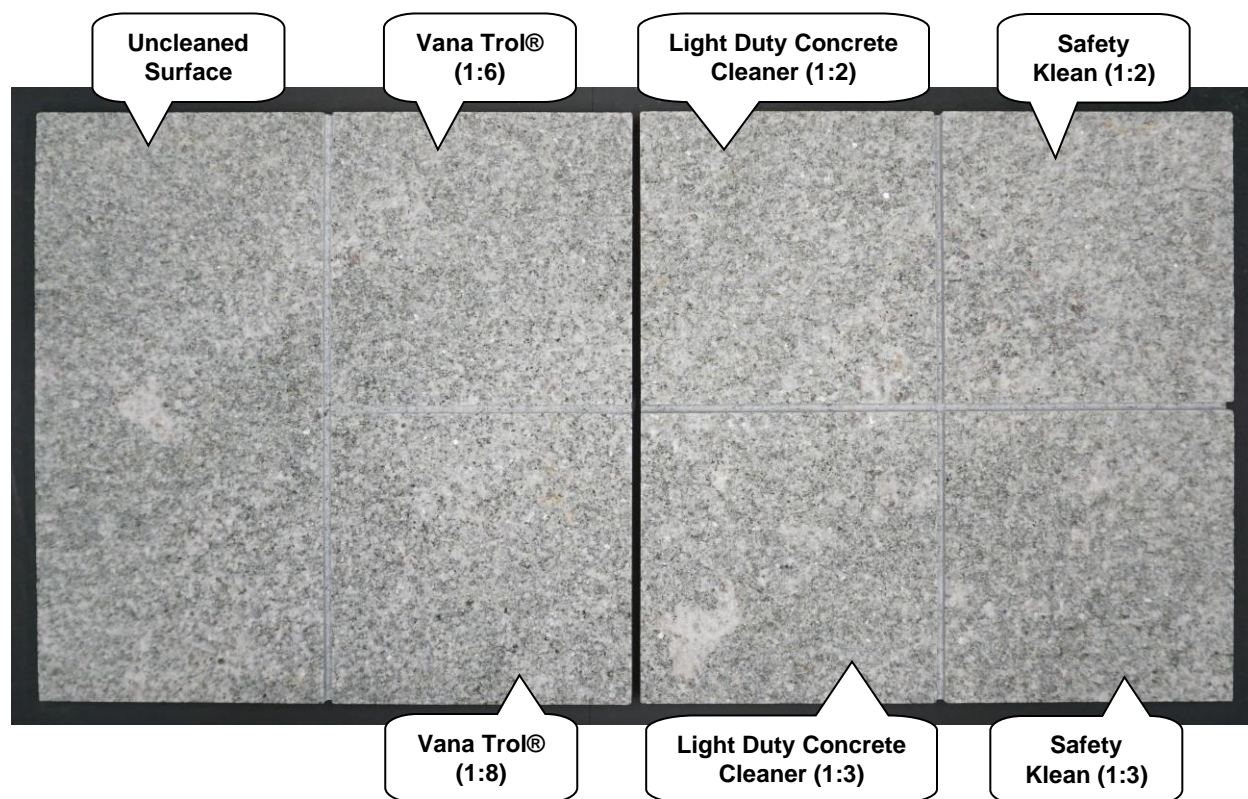
"Sandy Point Granite" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Silver Ridge Granite"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

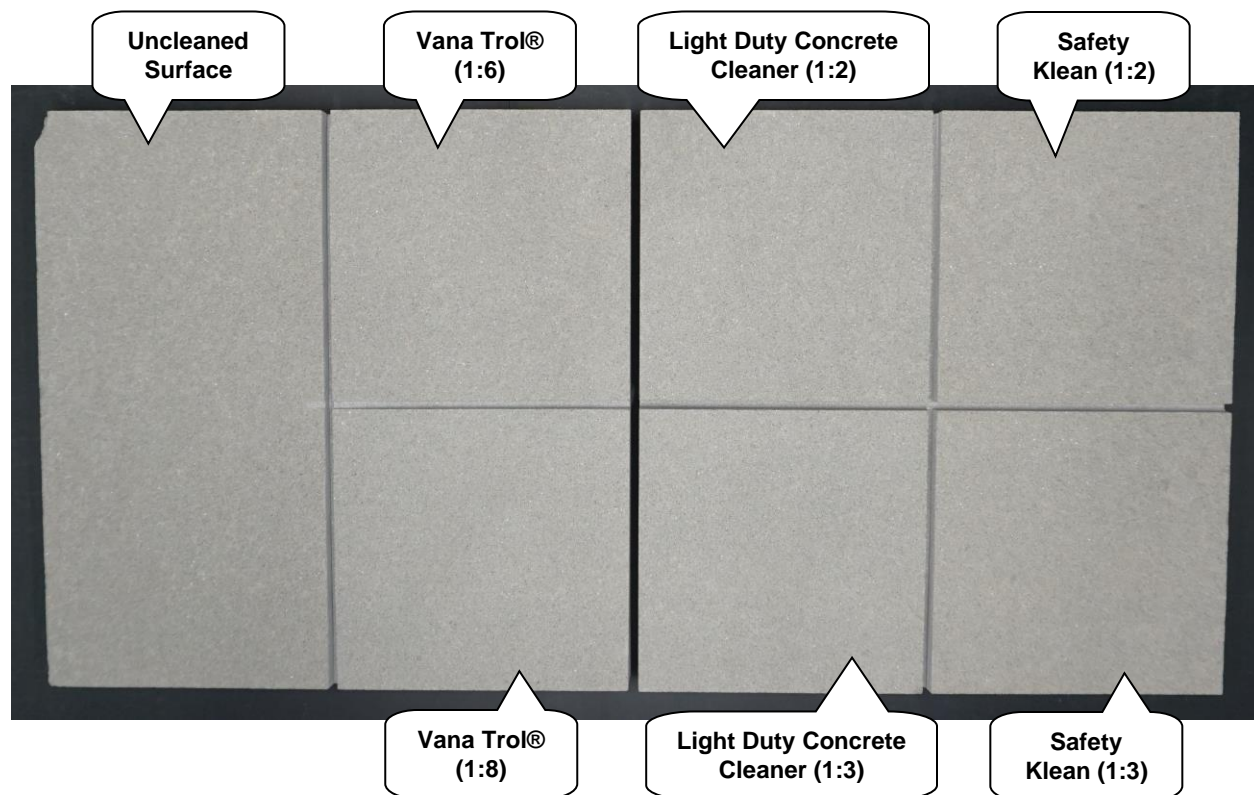
"Silver Ridge Granite" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Italian Bluestone"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

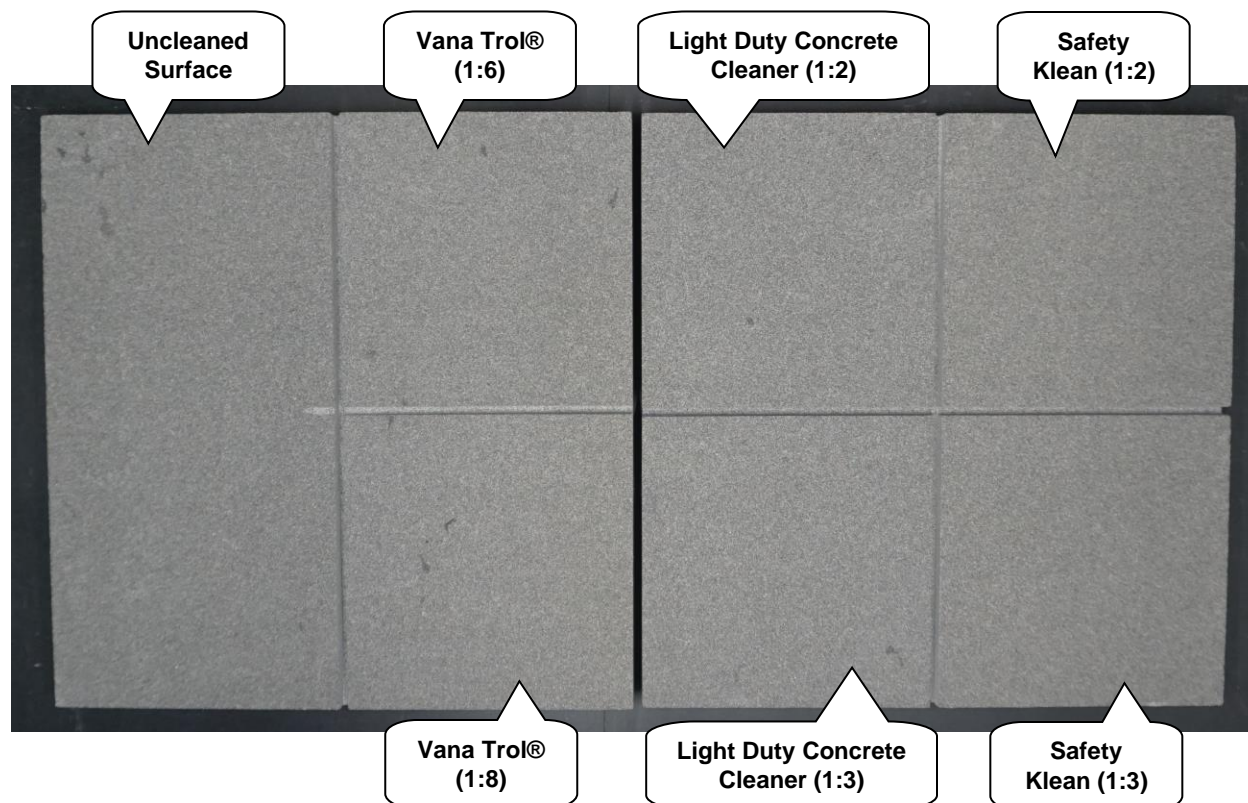
"Italian Bluestone" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Premium Dark Bluestone"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

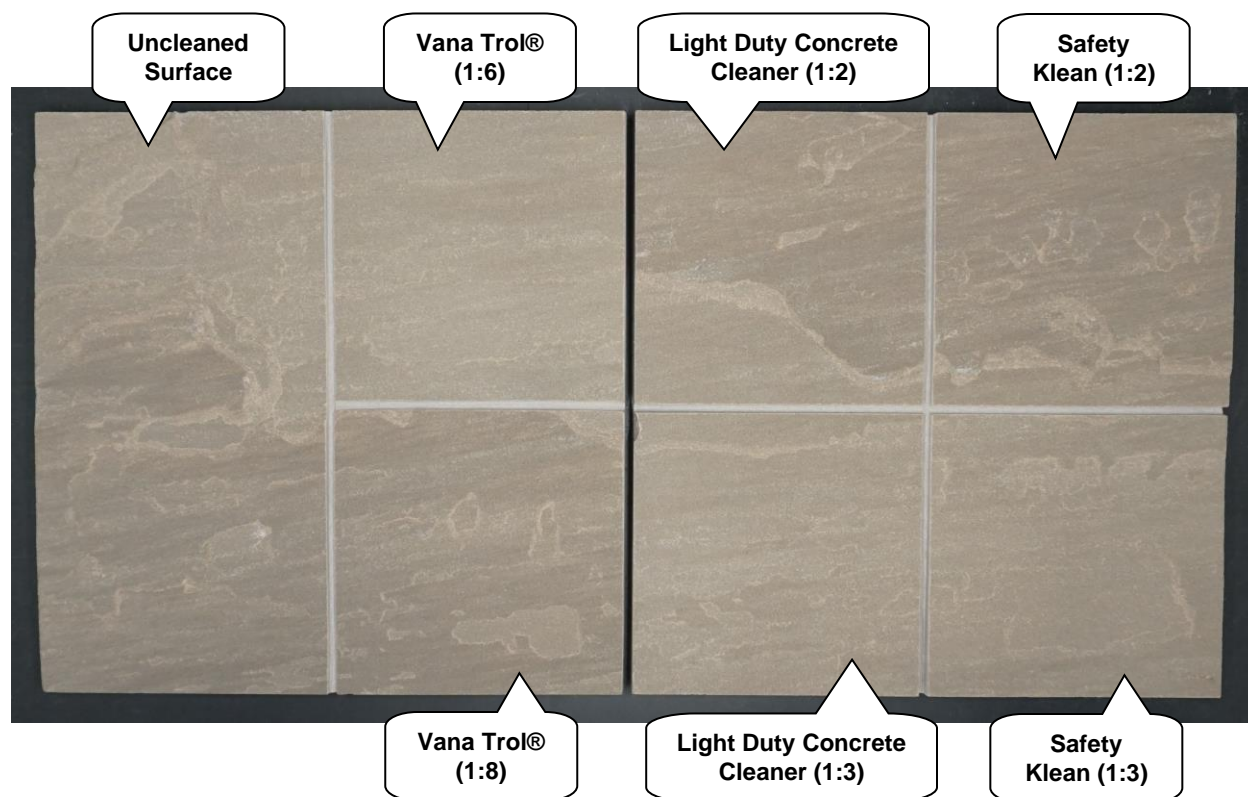
"Premium Dark Bluestone" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Autumn Brown Natural Sandstone"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

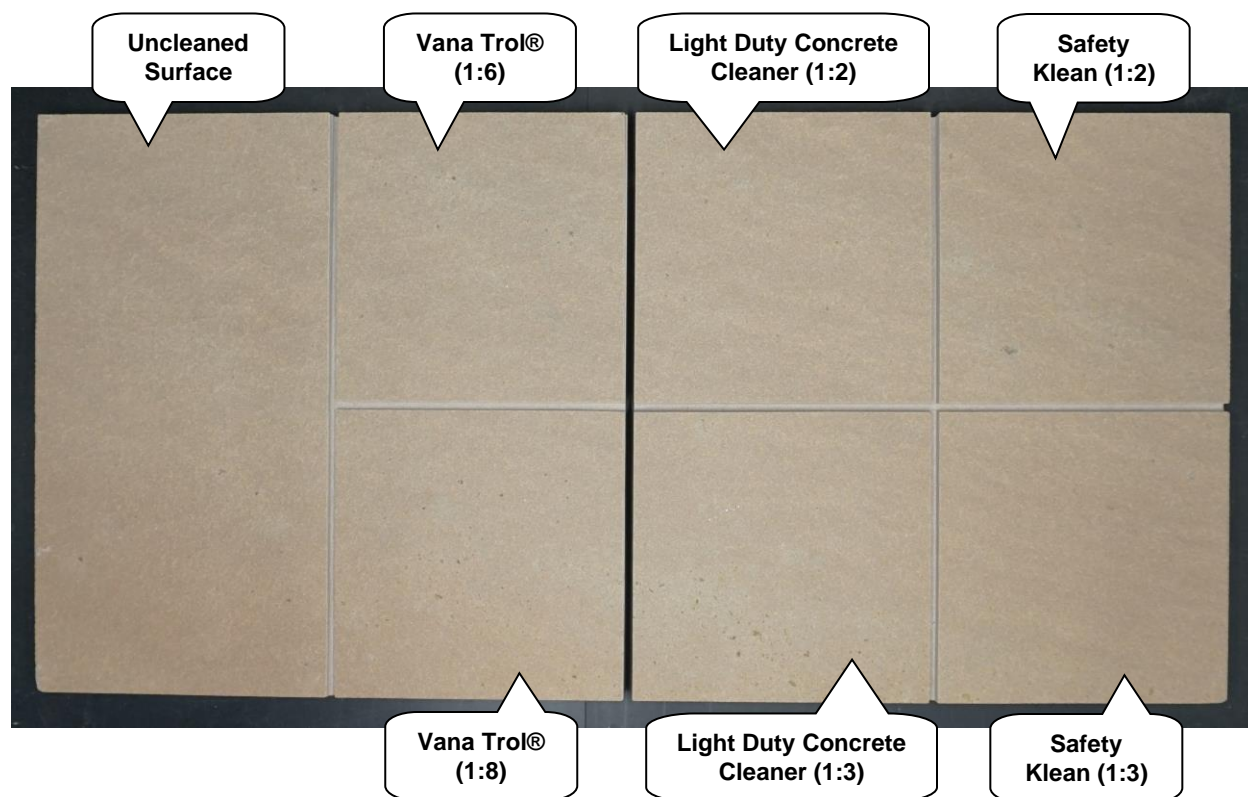
"Autumn Brown Natural Sandstone" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Autumn Brown Thermal Sandstone"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

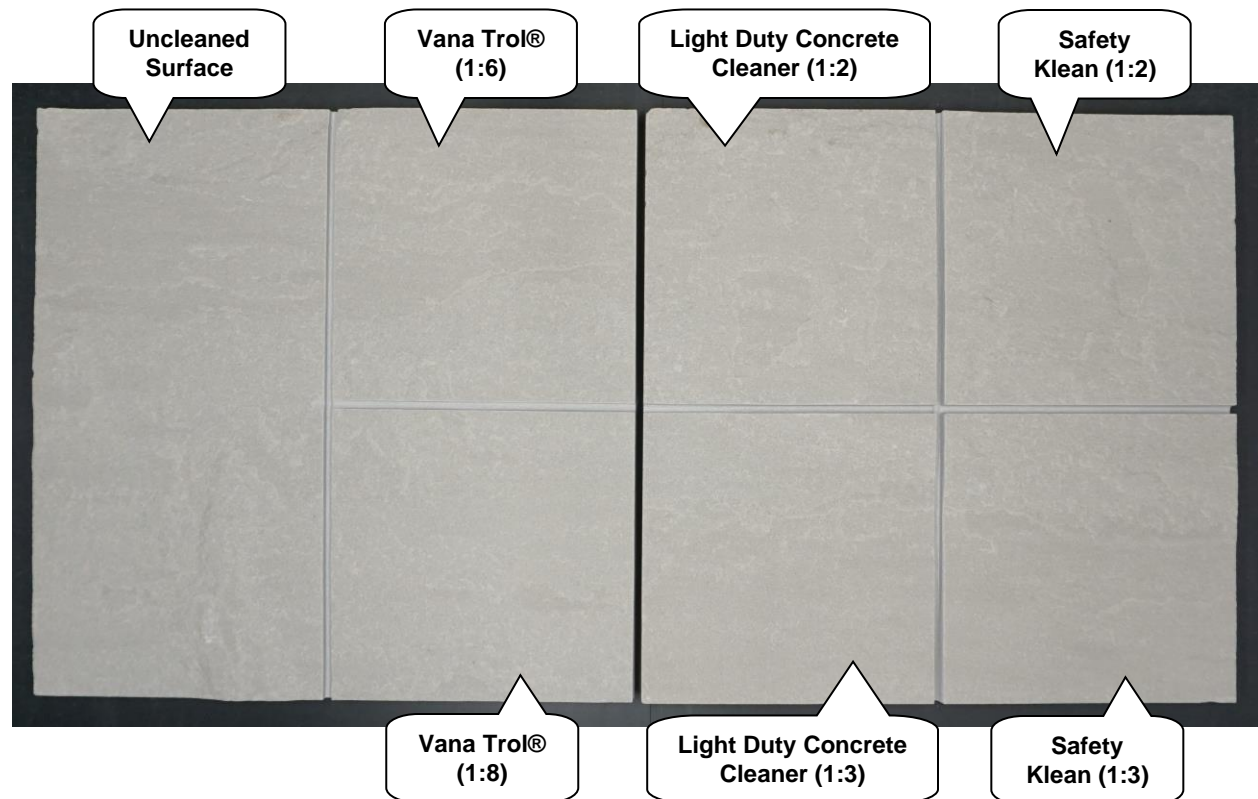
"Autumn Brown Thermal Sandstone" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Blue Ice Natural Cleft Sandstone"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

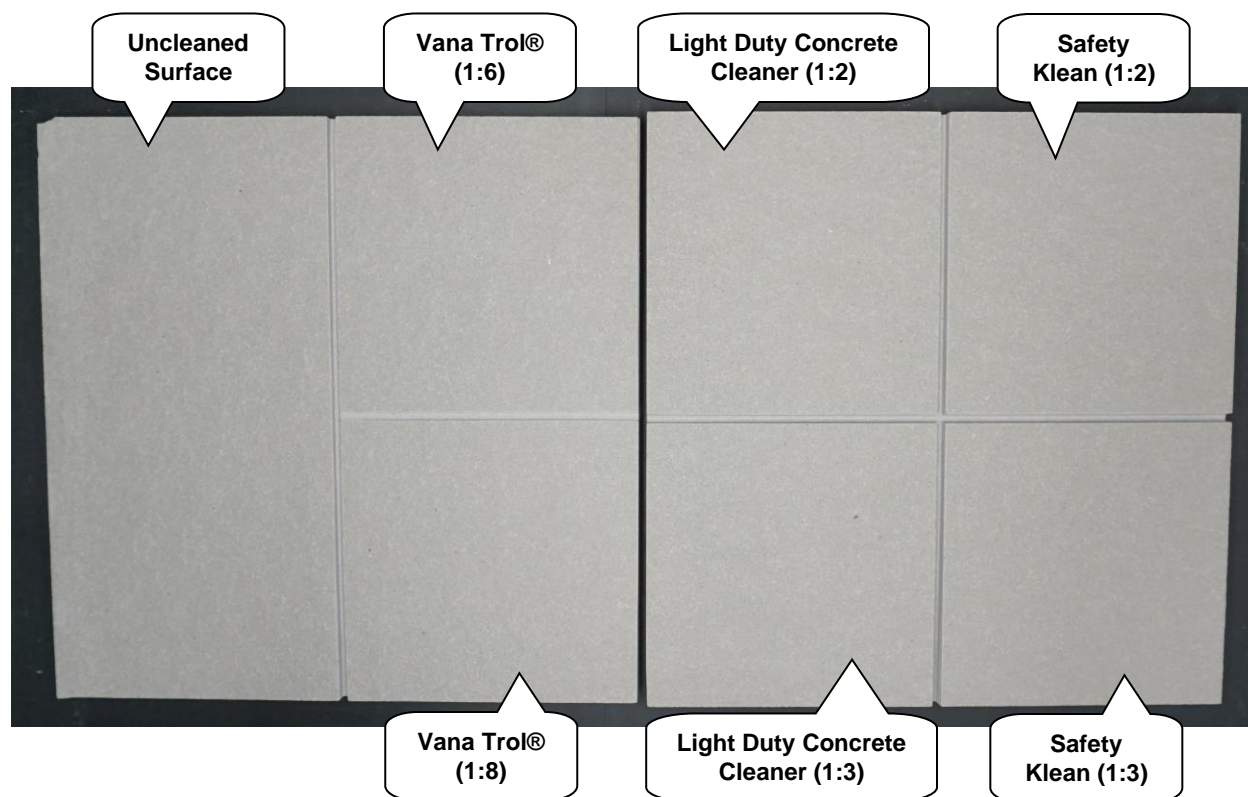
"Blue Ice Natural Cleft Sandstone" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Blue Ice Thermal Sandstone"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

"Blue Ice Thermal Sandstone" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Golden Quartz"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

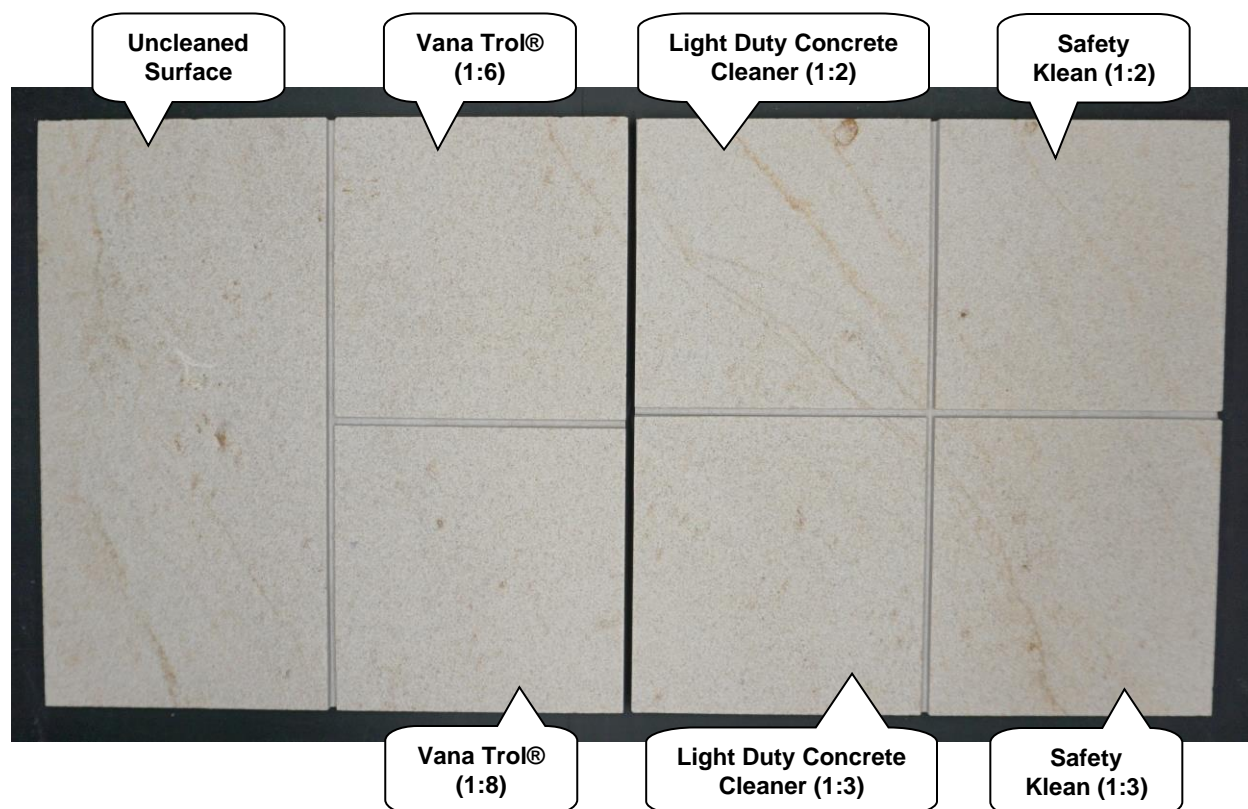
"Golden Quartz" After Cleaning



TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Oxford Buff"					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Light Duty Concrete Cleaner	1:2	0	0	0	0
Light Duty Concrete Cleaner	1:3	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

"Oxford Buff" After Cleaning



CONCLUSIONS: New Construction Cleaning

In the cleaning tests conducted, neither Sure Klean® Vana Trol® nor Sure Klean® Light Duty Concrete Cleaner nor Enviro Klean® Safety Klean caused any change to the appearance of the submitted natural stone.

When choosing the most appropriate product for the desired result:

- For new masonry surfaces that are subject to vanadium, manganese, and other metallic stains – Test Sure Klean® Vana Trol®
- For common construction and atmospheric staining – Test Sure Klean® Light Duty Concrete Cleaner
- For an effective, safe alternative to acidic cleaning compounds – Test Enviro Klean® Safety Klean

It is recommended that the selected cleaners always be used in the lowest possible concentration. 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 cleaning product and procedures for a particular project. See product literature for additional application and product information.

RECOMMENDATIONS: New Construction Cleaning

Recommendations for cleaning the natural stone submitted by Instone, Alsip, IL are provided in the chart below. Recommendations are based on the cleaner and dilution that provided the best match to the uncleaned surface.

Sample	New Construction Cleaning
"Arctic Cloud Marble"	<p>Sure Klean® Vana Trol® (1:6) or (1:8) OR Sure Klean® Light Duty Concrete Cleaner (1:2) or (1:3) OR Enviro Klean® Safety Klean (1:2) or (1:3)</p>
"Misty Blue Marble"	
"Silver Travertine"	
"Walnut Travertine"	
"Blue Mist Granite"	
"Imported Gray Granite"	
"Phoenician Granite"	
"Sandy Point Granite"	
"Silver Ridge Granite"	
"Italian Bluestone"	
"Premium Dark Bluestone"	
"Autumn Brown Natural Sandstone"	
"Autumn Brown Thermal Sandstone"	
"Blue Ice Natural Cleft Sandstone"	
"Blue Ice Thermal Sandstone"	
"Golden Quartz"	
"Oxford Buff"	

The most appropriate cleaner and dilution should be determined on the specific job-site, and will be dependent primarily on the nature and severity of soiling present at that location.

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

SAMPLE PREPARATION: Treatment Application

Prior to treatment application, the submitted natural stone samples were cleaned with Sure Klean® Vana Trol® diluted with eight parts water in accordance with the current PROSOCO, Inc. Product Data Sheet instructions. After the samples had dried for at least 24 hours, each treatment (where applicable) was applied in accordance with the current PROSOCO, Inc. Product Data Sheet instructions and allowed to cure for at least 72 hours prior to testing.

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:

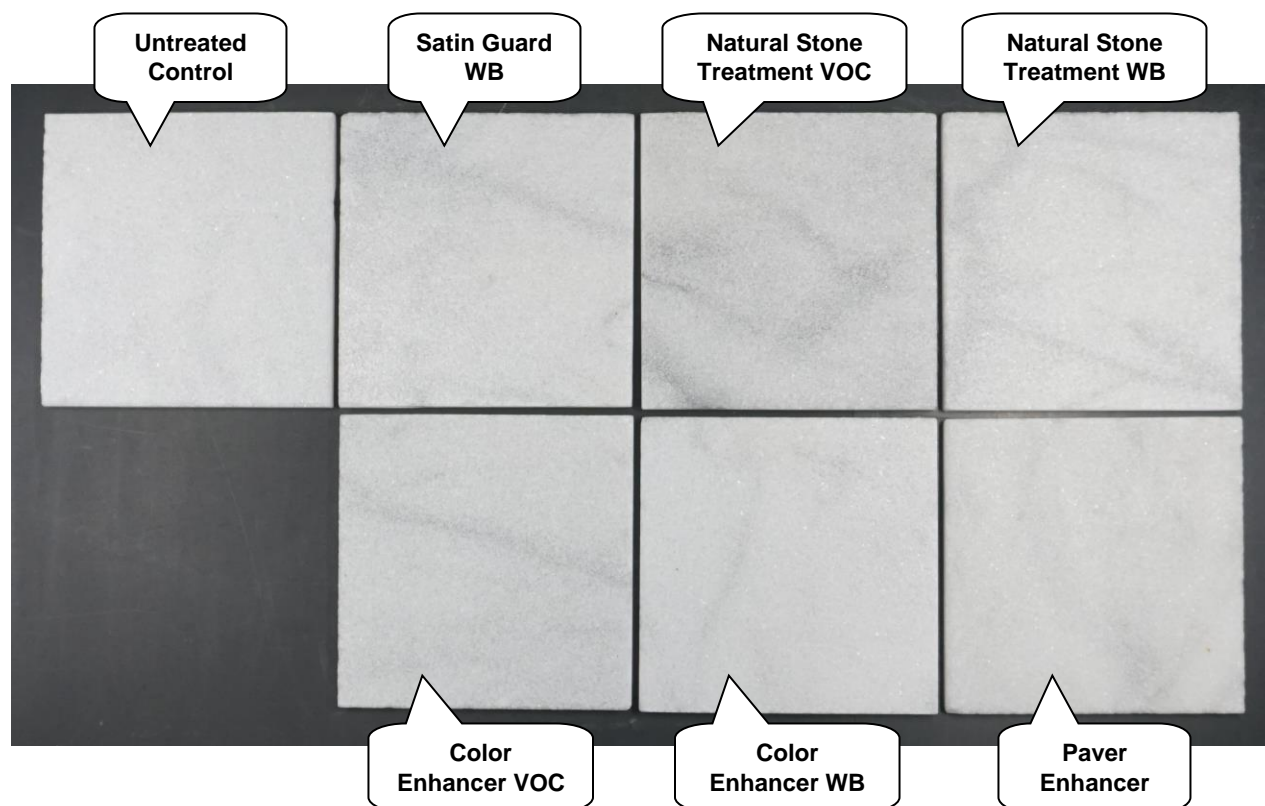
- 0 – **No enhancement** compared to untreated surface
- 1 – **Slight enhancement** compared to untreated surface
- 2 – **Moderate enhancement** compared to untreated surface
- 3 – **Significant enhancement** compared to untreated surface

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

"Arctic Cloud Marble"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	1	1
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Color Enhancer VOC	2	0
Sure Klean® Weather Seal Color Enhancer WB	1	0
Sure Klean® Weather Seal Paver Enhancer	2	0

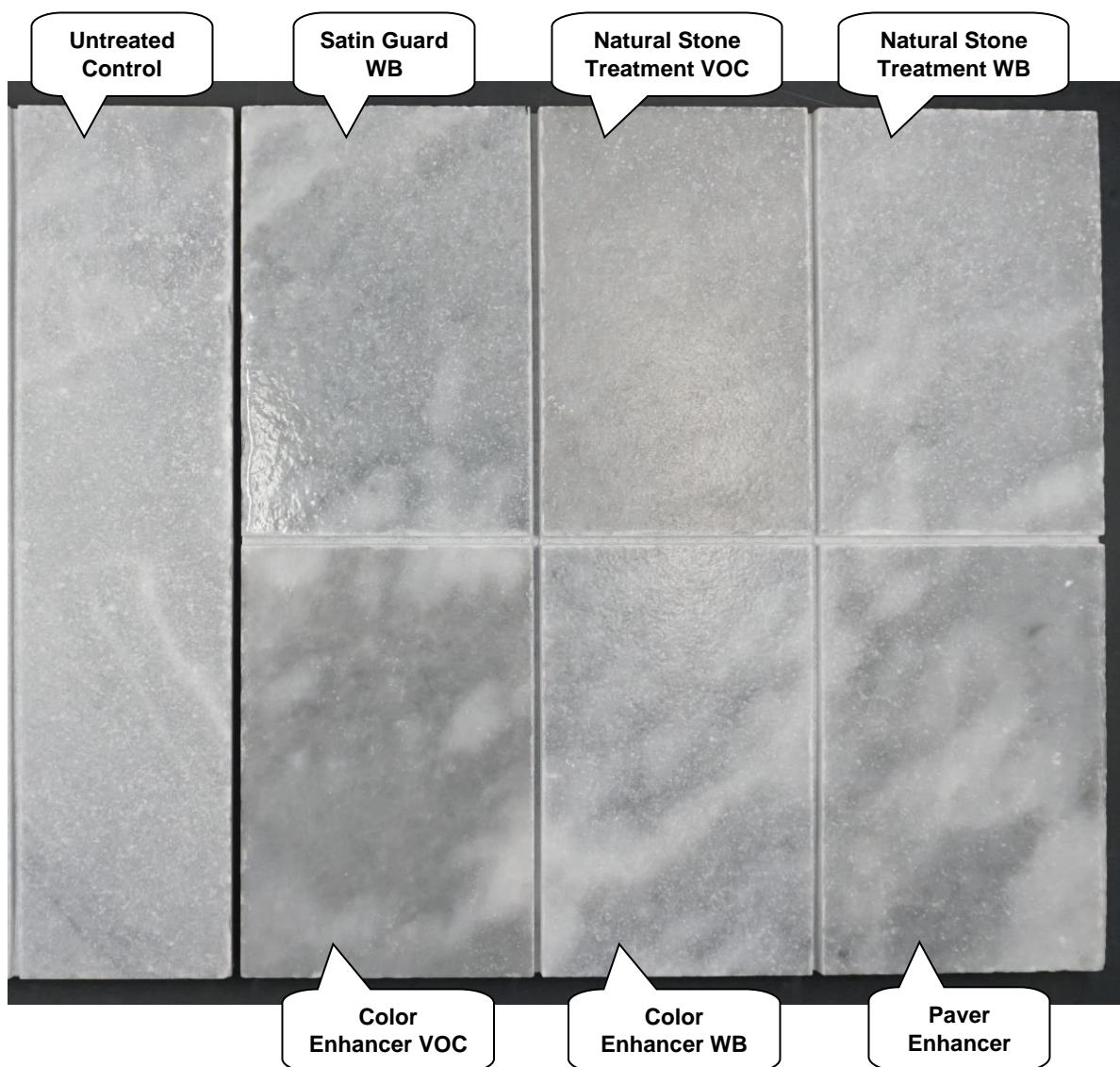
"Arctic Cloud Marble" After Treatment Application



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

"Misty Blue Marble"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	1	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	2	0
Sure Klean® Weather Seal Natural Stone Treatment WB	1	0
Sure Klean® Weather Seal Color Enhancer VOC	2	0
Sure Klean® Weather Seal Color Enhancer WB	1	0
Sure Klean® Weather Seal Paver Enhancer	2	1

"Misty Blue Marble" After Treatment Application



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

"Silver Travertine"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	1	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Color Enhancer VOC	1	0
Sure Klean® Weather Seal Color Enhancer WB	0	0
Sure Klean® Weather Seal Paver Enhancer	1	0

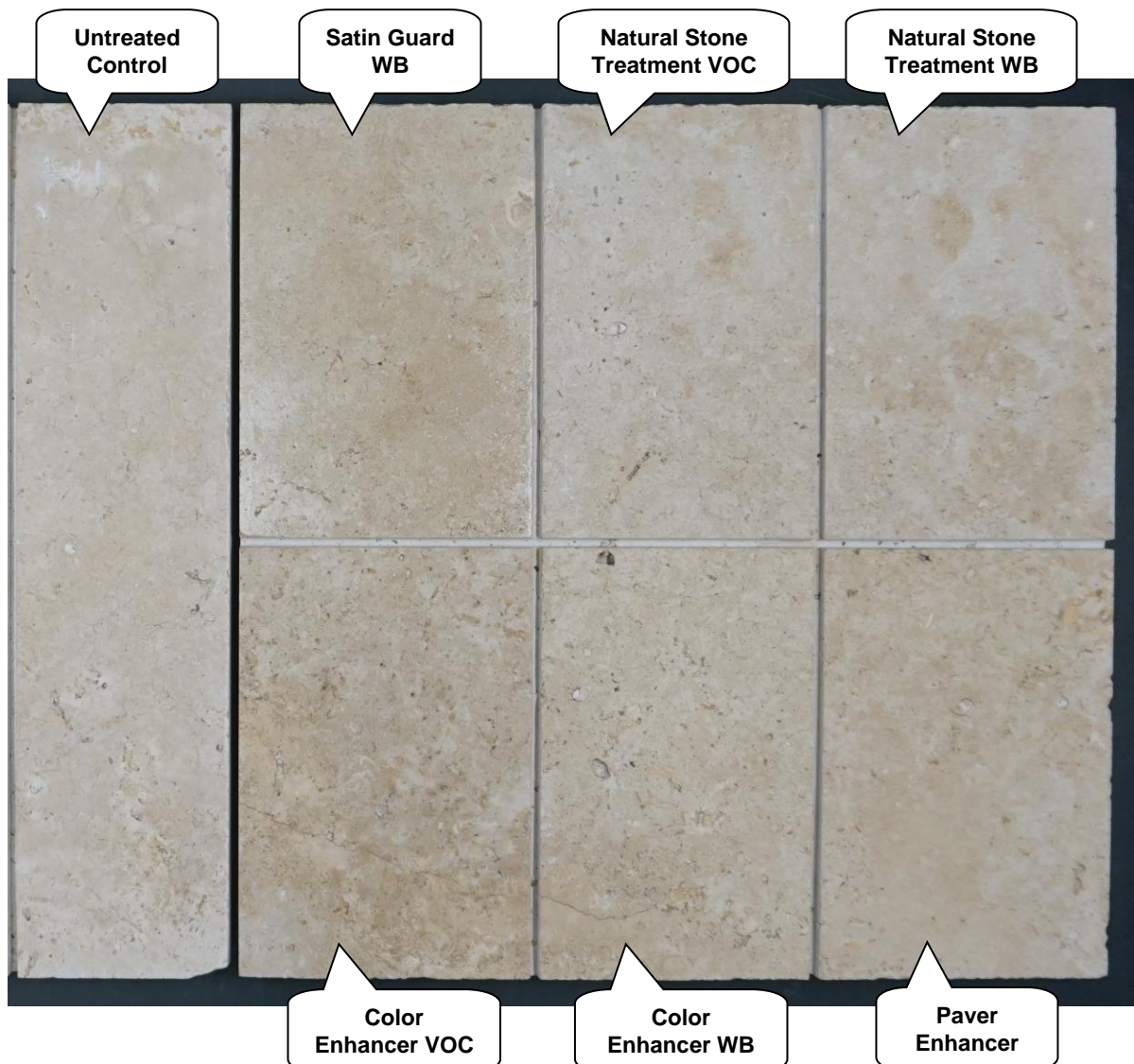
"Silver Travertine" After Treatment Application



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

"Walnut Travertine"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	2	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	1	0
Sure Klean® Weather Seal Color Enhancer VOC	2	0
Sure Klean® Weather Seal Color Enhancer WB	1	0
Sure Klean® Weather Seal Paver Enhancer	2	0

"Walnut Travertine" After Treatment Application



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

"Blue Mist Granite"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Gloss 'N Guard	3	1
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
PROSOCO® Silane 100	0	0

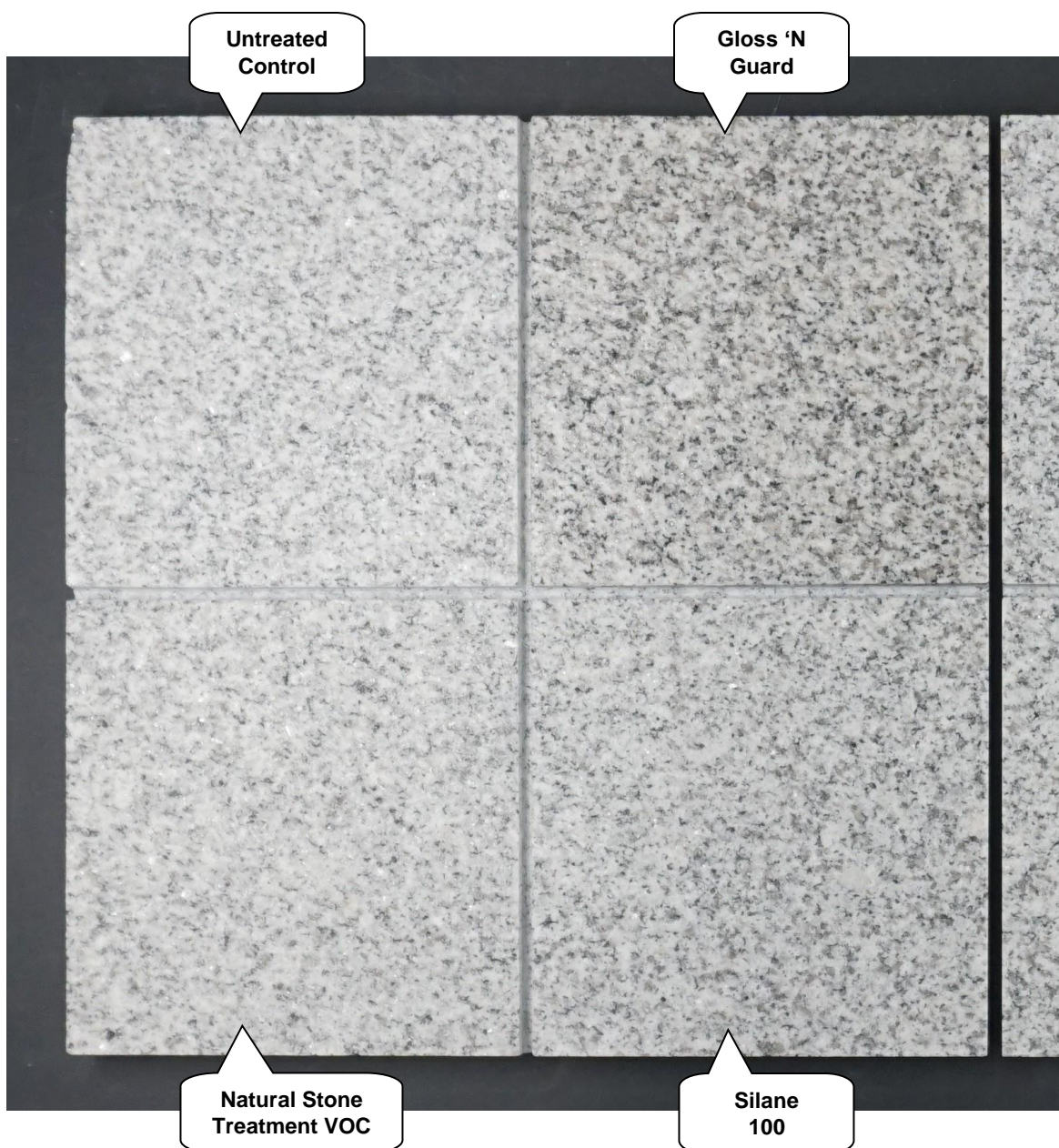
"Blue Mist Granite" After Treatment Application



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

"Imported Gray Granite"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Gloss 'N Guard	3	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
PROSOCO® Silane 100	0	0

"Imported Gray Granite" After Treatment Application



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

"Phoenician Granite"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Gloss 'N Guard	3	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
PROSOCO® Silane 100	0	0

"Phoenician Granite" After Treatment Application



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

"Sandy Point Granite"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Gloss 'N Guard	3	0
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
PROSOCO® Silane 100	0	0

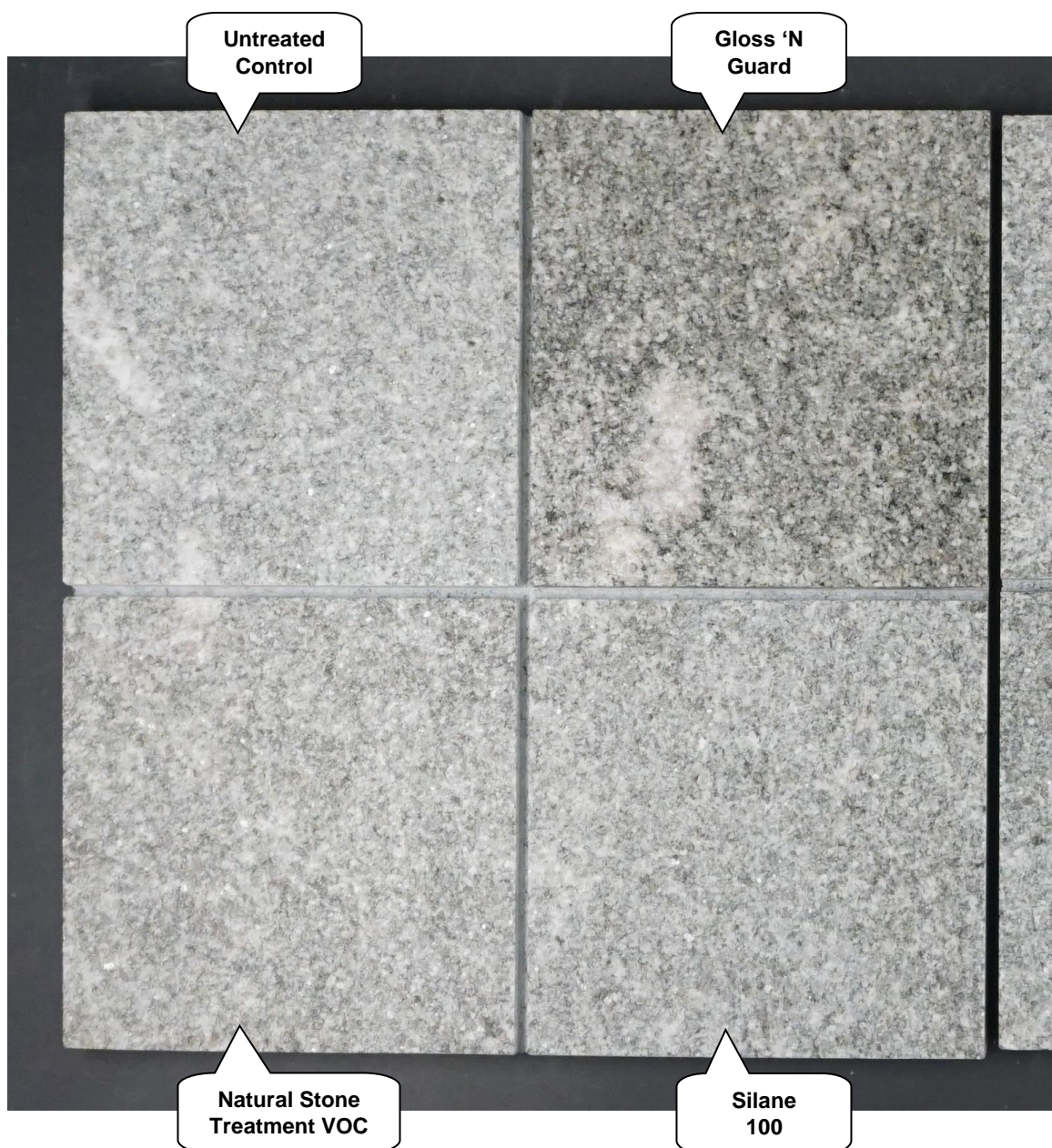
"Sandy Point Granite" After Treatment Application



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

"Silver Ridge Granite"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Gloss 'N Guard	3	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
PROSOCO® Silane 100	0	0

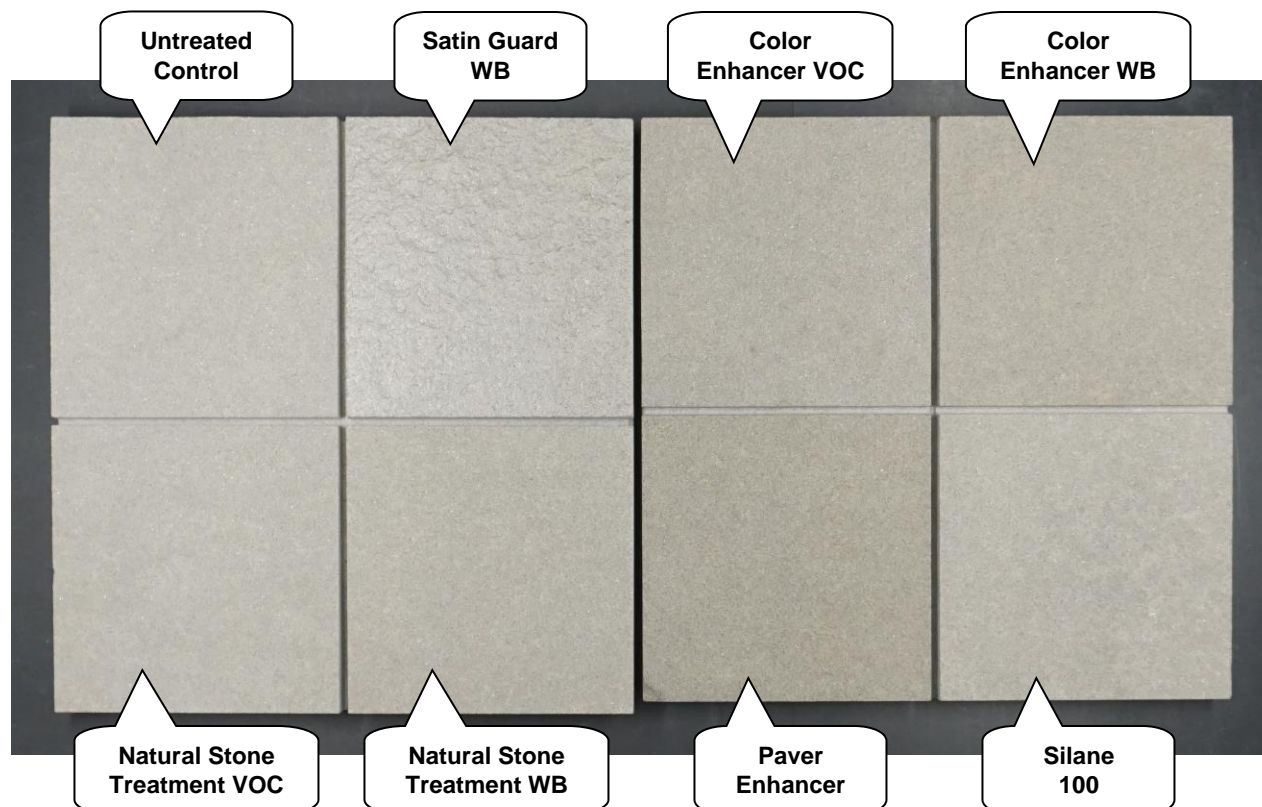
"Silver Ridge Granite" After Treatment Application



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

"Italian Bluestone"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	1	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	1	0
Sure Klean® Weather Seal Color Enhancer VOC	1	0
Sure Klean® Weather Seal Color Enhancer WB	2	0
Sure Klean® Weather Seal Paver Enhancer	2	0
PROSOCO® Silane 100	0	0

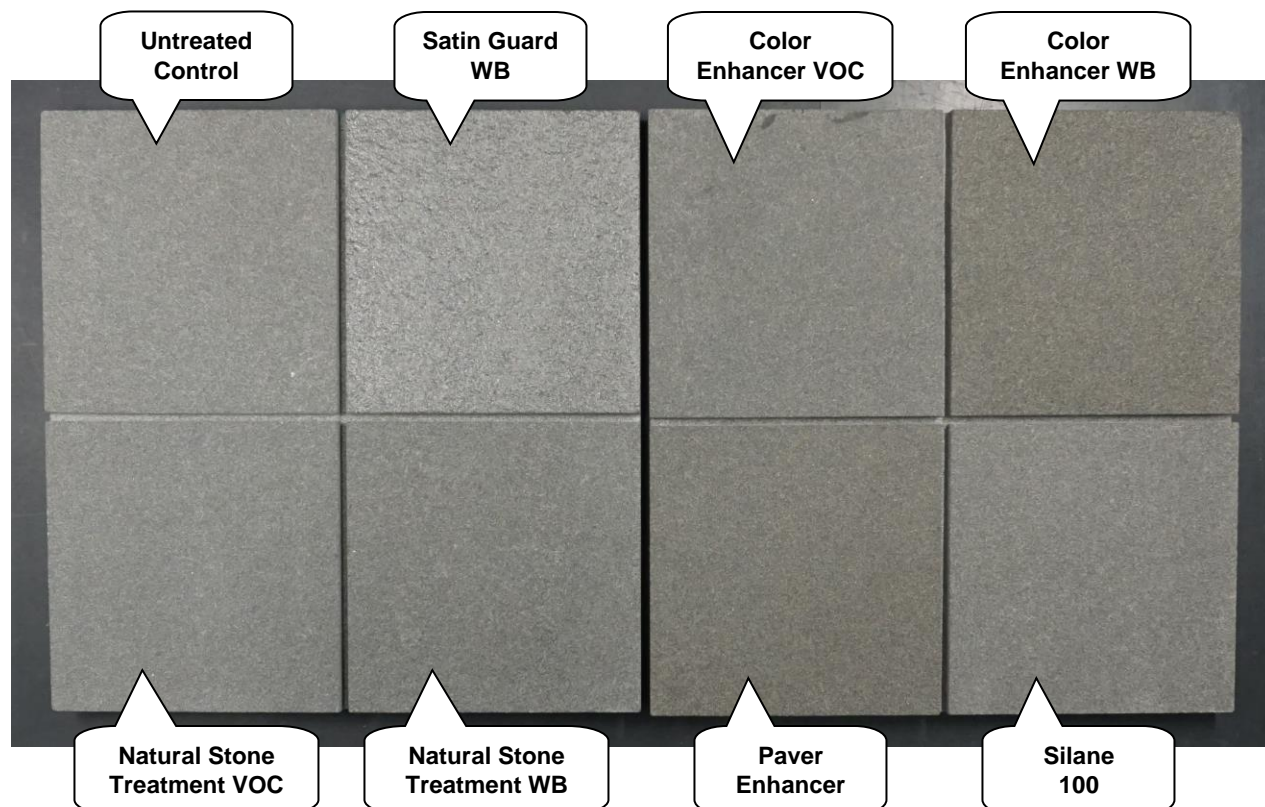
"Italian Bluestone" After Treatment Application



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

"Premium Dark Bluestone"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	1	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	1	0
Sure Klean® Weather Seal Color Enhancer VOC	1	0
Sure Klean® Weather Seal Color Enhancer WB	2	0
Sure Klean® Weather Seal Paver Enhancer	2	0
PROSOCO® Silane 100	0	0

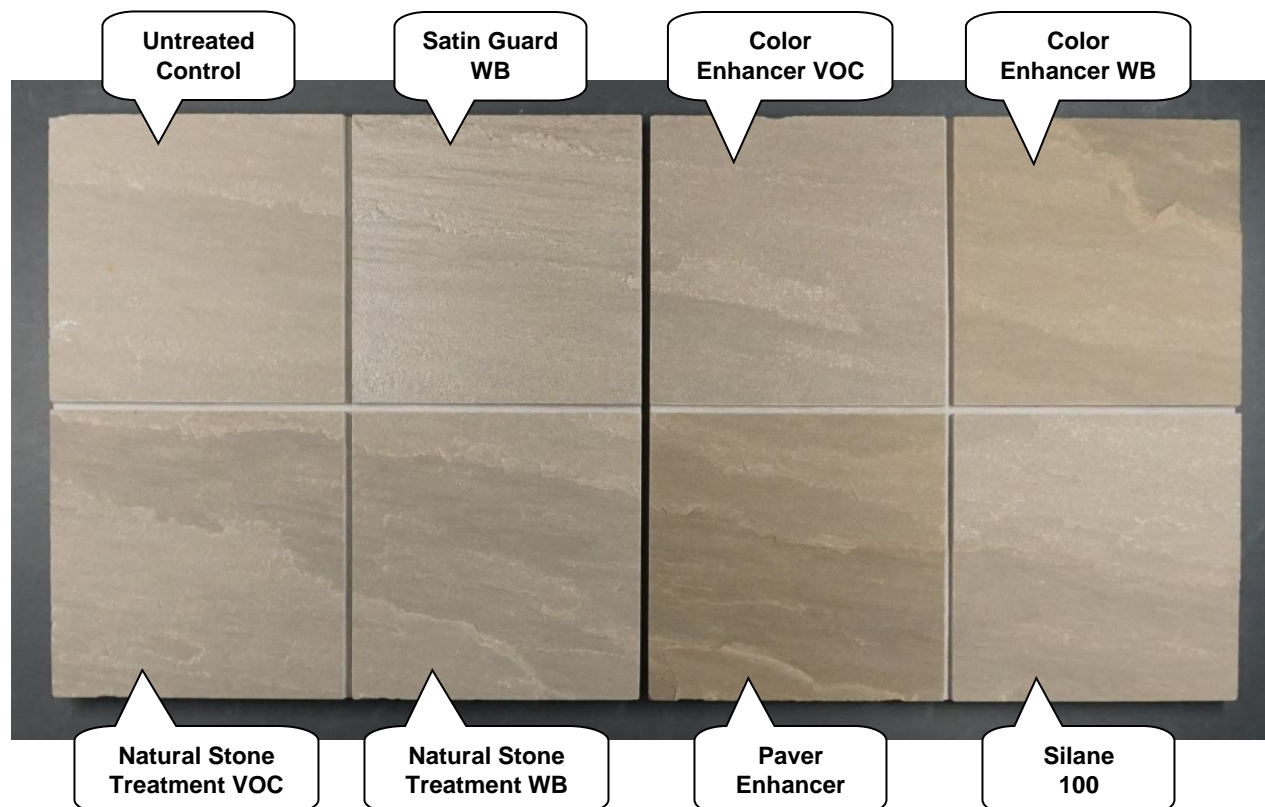
"Premium Dark Bluestone" After Treatment Application



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

"Autumn Brown Natural Sandstone"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	1	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	1	0
Sure Klean® Weather Seal Color Enhancer VOC	1	0
Sure Klean® Weather Seal Color Enhancer WB	2	0
Sure Klean® Weather Seal Paver Enhancer	2	0
PROSOCO® Silane 100	0	0

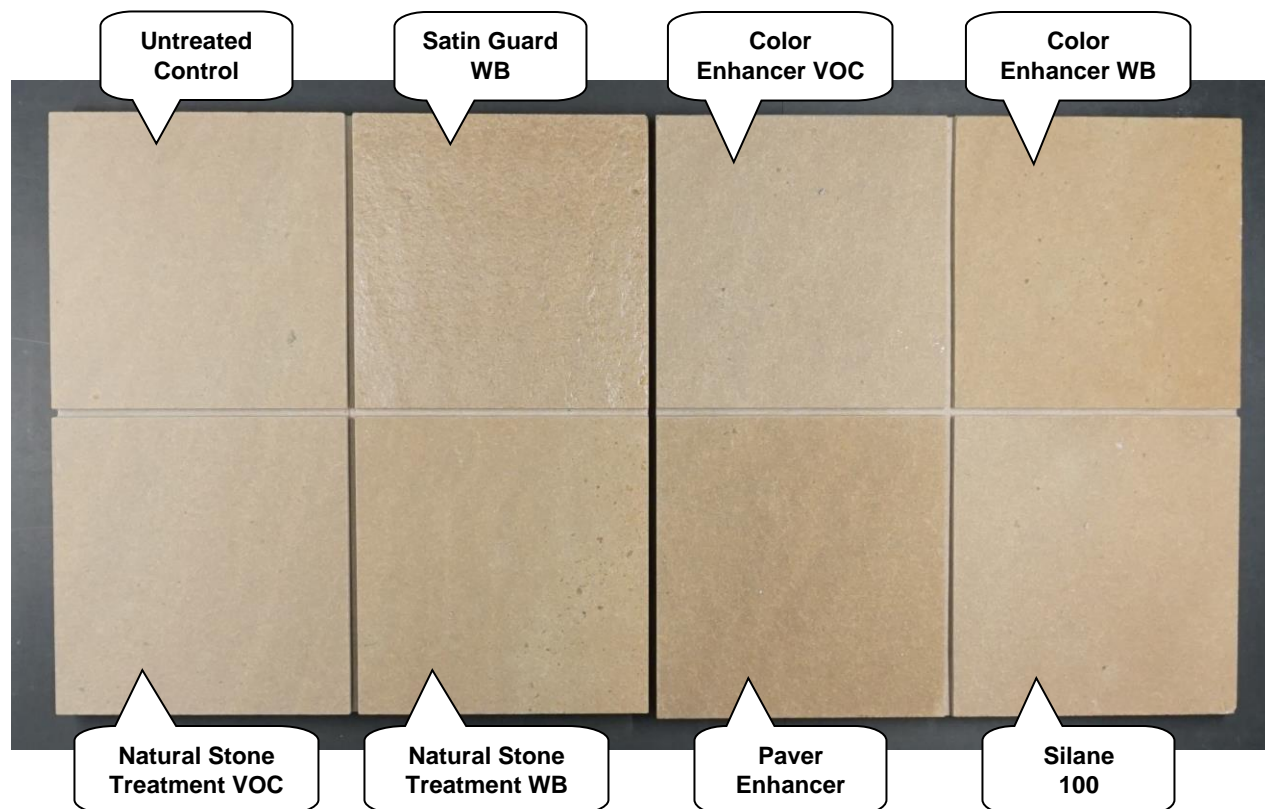
"Autumn Brown Natural Sandstone" After Treatment Application



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

"Autumn Brown Thermal Sandstone"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	2	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	1	0
Sure Klean® Weather Seal Color Enhancer VOC	1	0
Sure Klean® Weather Seal Color Enhancer WB	2	0
Sure Klean® Weather Seal Paver Enhancer	2	0
PROSOCO® Silane 100	0	0

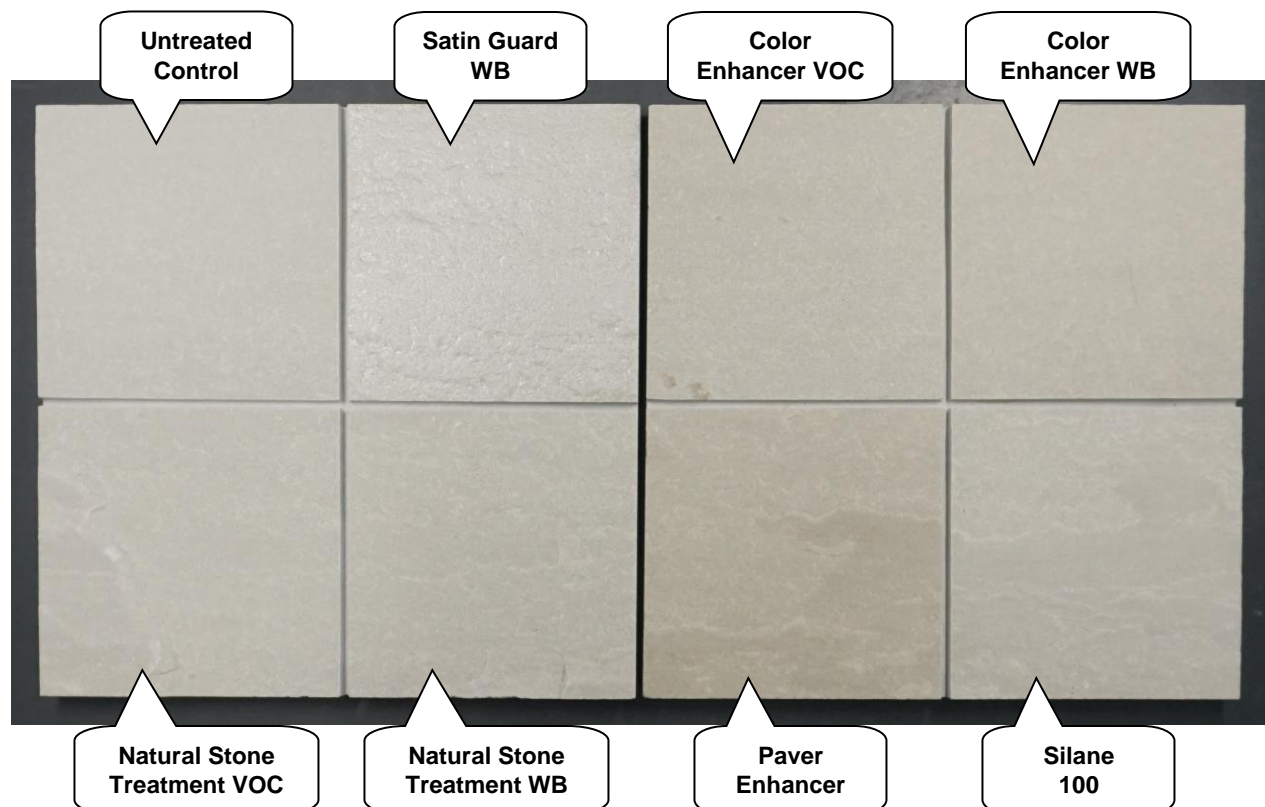
"Autumn Brown Thermal Sandstone" After Treatment Application



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

"Blue Ice Natural Cleft Sandstone"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	1	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	1	0
Sure Klean® Weather Seal Color Enhancer VOC	1	0
Sure Klean® Weather Seal Color Enhancer WB	1	0
Sure Klean® Weather Seal Paver Enhancer	2	0
PROSOCO® Silane 100	0	0

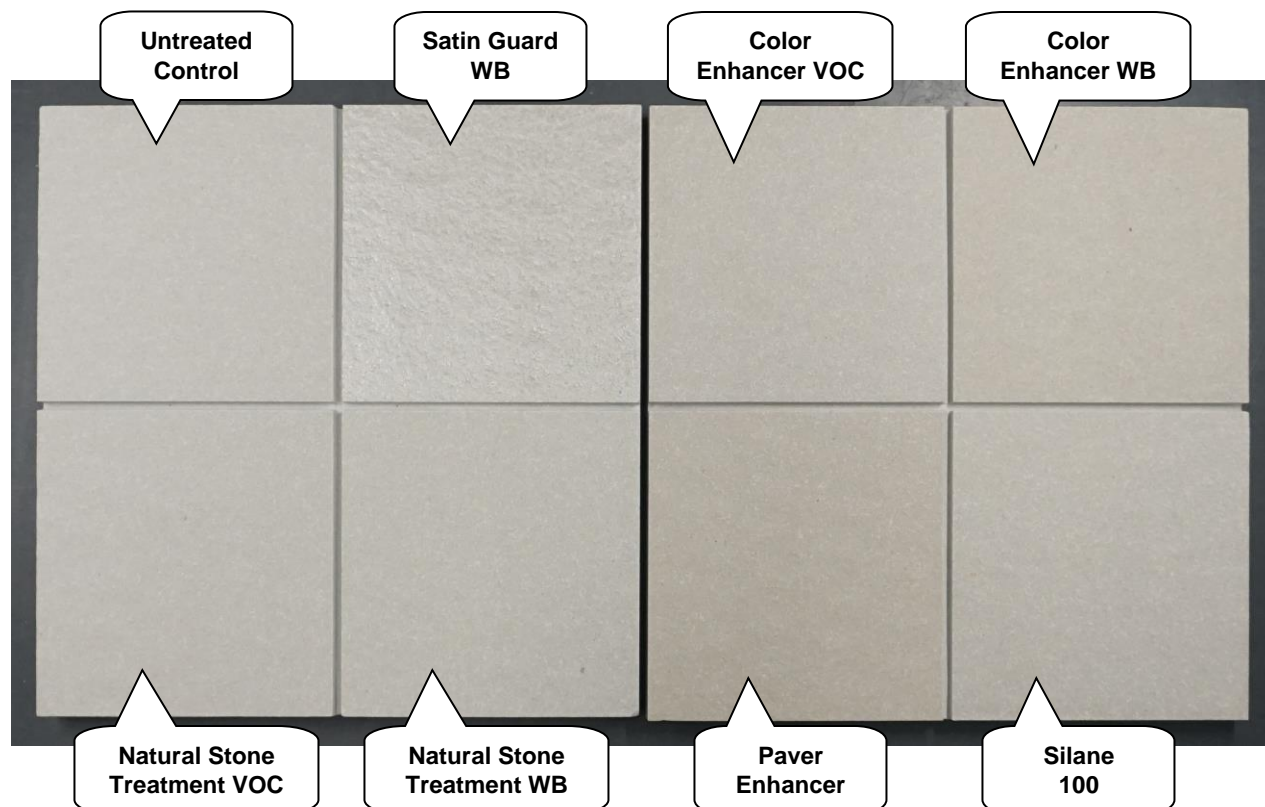
"Blue Ice Natural Cleft" After Treatment Application



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

"Blue Ice Thermal Sandstone"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	2	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	1	0
Sure Klean® Weather Seal Color Enhancer VOC	1	0
Sure Klean® Weather Seal Color Enhancer WB	2	0
Sure Klean® Weather Seal Paver Enhancer	2	0
PROSOCO® Silane 100	0	0

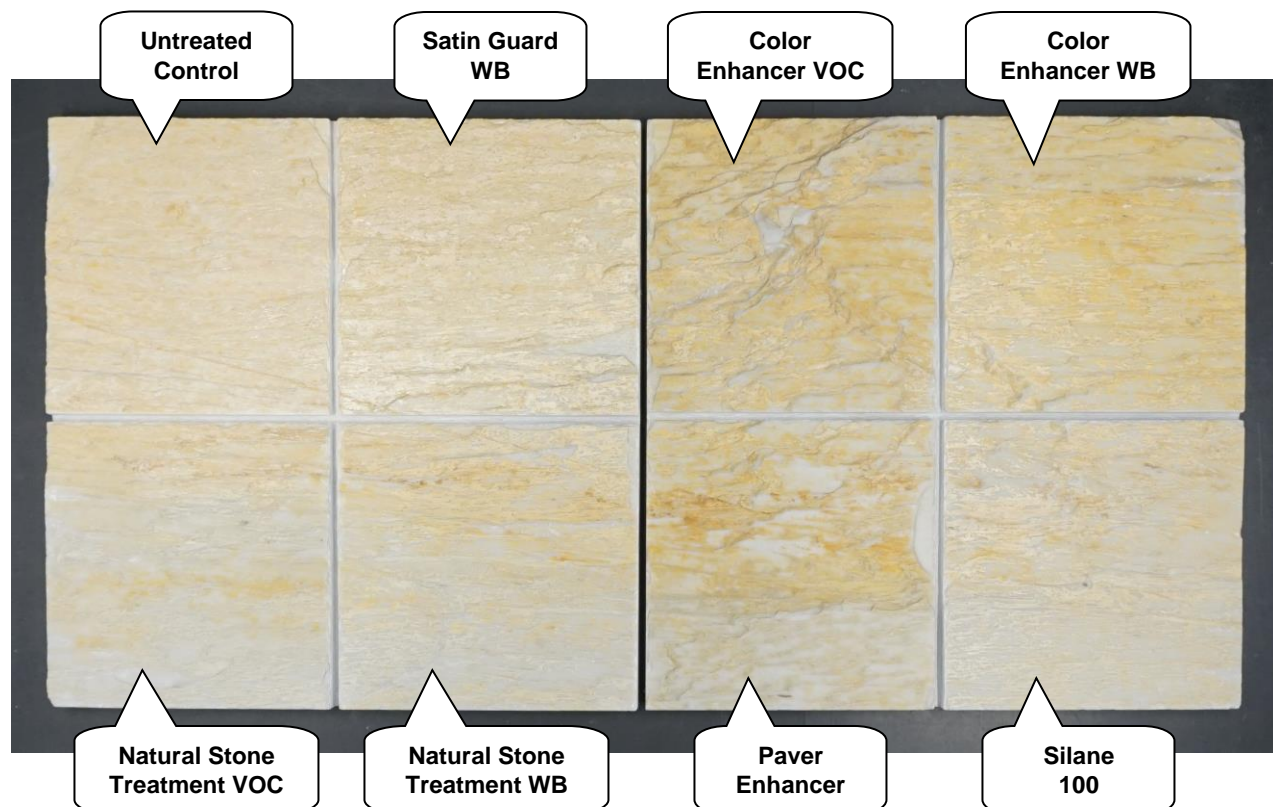
"Blue Ice Thermal Sandstone" After Treatment Application



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

"Golden Quartz"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	1	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	1	0
Sure Klean® Weather Seal Color Enhancer VOC	2	0
Sure Klean® Weather Seal Color Enhancer WB	1	0
Sure Klean® Weather Seal Paver Enhancer	2	0
PROSOCO® Silane 100	0	0

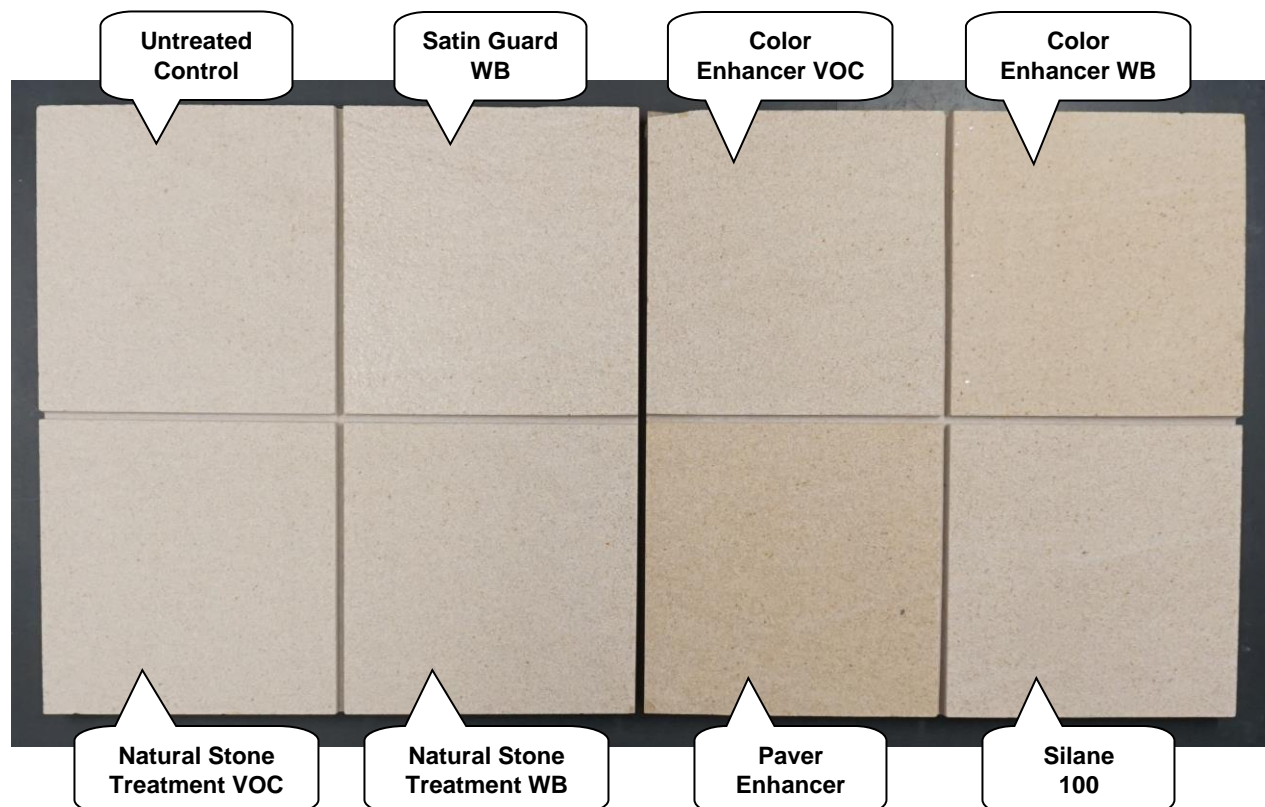
"Golden Quartz" After Treatment Application



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

"Oxford Buff"	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Satin Guard WB	1	2
Sure Klean® Weather Seal Natural Stone Treatment VOC	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	1	0
Sure Klean® Weather Seal Color Enhancer VOC	1	0
Sure Klean® Weather Seal Color Enhancer WB	2	0
Sure Klean® Weather Seal Paver Enhancer	2	0
PROSOCO® Silane 100	0	0

"Oxford Buff" After Treatment Application



CONCLUSIONS – Color and Sheen Enhancement

The treatments evaluated provided a range of color enhancement results, from no change in appearance to a significant change depending on the natural stone type and treatment.

Sure Klean® Weather Seal Satin Guard WB provided a slight to moderate amount of sheen enhancement to all of the submitted samples (where applicable). Sure Klean® Weather Seal Gloss 'N Guard provided a slight to moderate amount of sheen enhancement to all of the submitted samples (where applicable), except the “Sandy Point Granite”. Sure Klean® Weather Seal Paver Enhancer provided a slight amount of sheen enhancement to the “Misty Blue Marble”. None of the other treatments provided any sheen enhancement to any of the submitted samples.

Please refer to pages 24-43 of the report for individual recommendations based on the desired result.

Enhancement levels may vary by substrate color, lighting, orientation application method, and other variables. Always test in the field to confirm intended results.

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.

RECOMMENDATIONS: Color and Sheen Enhancement

Recommendations for color and sheen enhancement for each type of natural stone submitted by Instone, Alsip, IL are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Color and Sheen Enhancement
"Arctic Cloud Marble"	Please refer to pages 24-43 of the report for individual recommendations based on the desired result.
"Misty Blue Marble"	
"Silver Travertine"	
"Walnut Travertine"	
"Blue Mist Granite"	
"Imported Gray Granite"	
"Phoenician Granite"	
"Sandy Point Granite"	
"Silver Ridge Granite"	
"Italian Bluestone"	
"Premium Dark Bluestone"	
"Autumn Brown Natural Sandstone"	
"Autumn Brown Thermal Sandstone"	
"Blue Ice Natural Cleft Sandstone"	
"Blue Ice Thermal Sandstone"	
"Golden Quartz"	
"Oxford Buff"	

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: Protective Water Repellents

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: Protective Water Repellents

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

AA = Above Average A = Average

BA = Below Average

"Arctic Cloud Marble"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>

"Misty Blue Marble"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>

"Silver Travertine"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>

TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)

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

AA = Above Average A = Average

BA = Below Average

"Walnut Travertine"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.1	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>

"Blue Mist Granite"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

"Imported Gray Granite"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

"Phoenician Granite"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)
Water Absorption Tube Test: Horizontal RILEM II.4, 5.0 milliliters, 20 minutes

AA = Above Average **A** = Average **BA** = Below Average

"Sandy Point Granite"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.1	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

"Silver Ridge Granite"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

"Italian Bluestone"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)

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

AA = Above Average **A** = Average **BA** = Below Average

"Premium Dark Bluestone"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

"Autumn Brown Natural Sandstone"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.1	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)
Water Absorption Tube Test: Horizontal RILEM II.4, 5.0 milliliters, 20 minutes

AA = Above Average **A** = Average **BA** = Below Average

"Autumn Brown Thermal Sandstone"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

"Blue Ice Natural Cleft Sandstone"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)
Water Absorption Tube Test: Horizontal RILEM II.4, 5.0 milliliters, 20 minutes

AA = Above Average **A** = Average **BA** = Below Average

"Blue Ice Thermal Sandstone"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

"Golden Quartz"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

TEST RESULTS AND PHOTOGRAPHS: Protective Water Repellents (cont.)

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

AA = Above Average **A** = Average **BA** = Below Average

"Oxford Buff"	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Natural Stone Treatment VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer VOC	-0.0	<u>AA</u>
Sure Klean® Weather Seal Color Enhancer WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Paver Enhancer	-0.0	<u>AA</u>
PROSOCO® Silane 100	-0.0	<u>AA</u>

CONCLUSIONS: Protective Water Repellents

Based on the laboratory evaluations, all of the treatments provided good water repellent protection to the submitted natural stone samples.

Although most of the untreated areas in the 20 minute RILEM test did not absorb any water, the treatments will likely provide long-term water repellent protection and help to prevent water-related staining.

RECOMMENDATIONS: Protective Water Repellents

Recommendations for water repellency for each type of natural stone submitted by Instone, Alsip, IL are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Water Repellency
"Arctic Cloud Marble"	Sure Klean® Weather Seal Natural Stone Treatment VOC OR
"Misty Blue Marble"	Sure Klean® Weather Seal Natural Stone Treatment WB OR
"Silver Travertine"	Sure Klean® Weather Seal Color Enhancer VOC OR
"Walnut Travertine"	Sure Klean® Weather Seal Color Enhancer WB OR Sure Klean® Weather Seal Paver Enhancer
"Blue Mist Granite"	Sure Klean® Weather Seal Natural Stone Treatment VOC OR PROSOCO® Silane 100
"Imported Gray Granite"	
"Phoenician Granite"	
"Sandy Point Granite"	
"Silver Ridge Granite"	
"Italian Bluestone"	Sure Klean® Weather Seal Natural Stone Treatment VOC OR Sure Klean® Weather Seal Natural Stone Treatment WB OR Sure Klean® Weather Seal Color Enhancer VOC OR Sure Klean® Weather Seal Color Enhancer WB OR Sure Klean® Weather Seal Paver Enhancer OR PROSOCO® Silane 100
"Premium Dark Bluestone"	
"Autumn Brown Natural Sandstone"	
"Autumn Brown Thermal Sandstone"	
"Blue Ice Natural Cleft Sandstone"	
"Blue Ice Thermal Sandstone"	
"Golden Quartz"	
"Oxford Buff"	

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

Please refer to the Product Data Sheet or visit www.prosoco.com/voccompliance to confirm VOC compliance with individual district or state regulations.

TEST METHODS: Surface Beading Evaluation

Food and Oil Products Evaluated for Stain Testing:

Temperature:

Coca Cola	ambient (~70°F)
Ketchup	ambient (~70°F)
Mustard	ambient (~70°F)
Red wine	ambient (~70°F)
Balsamic vinegar	ambient (~70°F)
Soy sauce	ambient (~70°F)
Olive oil	ambient (~70°F)
Wesson oil	250°F
Coffee	120°F

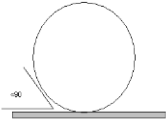
The food and oil products were applied to the test areas by using a dropper creating a bead 0.5 – 1.0 cm in diameter. The beading properties of the oils and liquids were visually evaluated within two minutes after application. The results are reported as a rating based on the angle of contact between 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 oils or liquids 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.

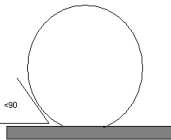
TEST METHODS: Surface Beading Evaluation (cont.)

Rating System (1-5)

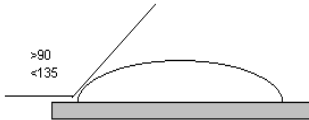
1. No wetting of contact area (no darkening); angle less than 90°



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.



TEST RESULTS: Surface Beading Evaluation

“Arctic Cloud Marble”		
	Untreated Control	Satin Guard WB
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	4	3
Bals. Vin.	4	3
Soy Sauce	3	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	3	3

“Misty Blue Marble”		
	Untreated Control	Satin Guard WB
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	4	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	4	3
Wesson Oil	4	3
Hot Coffee	3	3

N/A – non-free flowing staining agent

TEST RESULTS: Surface Beading Evaluation (cont.)

“Silver Travertine”		
	Untreated Control	Satin Guard WB
Coca Cola	5	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	4	3
Bals. Vin.	3	3
Soy Sauce	4	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	3	3

“Walnut Travertine”		
	Untreated Control	Satin Guard WB
Coca Cola	4	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	4	3
Bals. Vin.	4	3
Soy Sauce	4	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	3	3

N/A – non-free flowing staining agent

TEST RESULTS: Surface Beading Evaluation (cont.)

"Blue Mist Granite"		
	Untreated Control	Gloss 'N Guard
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	3	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	4	3
Wesson Oil	4	3
Hot Coffee	3	3

"Imported Gray Granite"		
	Untreated Control	Gloss 'N Guard
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	3	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	4	3
Wesson Oil	4	3
Hot Coffee	3	3

N/A – non-free flowing staining agent

TEST RESULTS: Surface Beading Evaluation (cont.)

“Phoenician Granite”		
	Untreated Control	Gloss ‘N Guard
Coca Cola	4	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	3	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	4	3
Wesson Oil	4	3
Hot Coffee	3	3

“Sandy Point Granite”		
	Untreated Control	Gloss ‘N Guard
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	3	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	4	3
Wesson Oil	4	3
Hot Coffee	3	3

N/A – non-free flowing staining agent

TEST RESULTS: Surface Beading Evaluation (cont.)

"Silver Ridge Granite"		
	Untreated Control	Gloss 'N Guard
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	3	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	3	3

"Italian Bluestone"		
	Untreated Control	Satin Guard WB
Coca Cola	4	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	4	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	3	3

N/A – non-free flowing staining agent

TEST RESULTS: Surface Beading Evaluation (cont.)

“Premium Dark Bluestone”		
	Untreated Control	Satin Guard WB
Coca Cola	4	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	4	3
Bals. Vin.	4	3
Soy Sauce	3	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	3	3

“Autumn Brown Natural Sandstone”		
	Untreated Control	Satin Guard WB
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	4	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	3	3

N/A – non-free flowing staining agent

TEST RESULTS: Surface Beading Evaluation (cont.)

“Autumn Brown Thermal Sandstone”		
	Untreated Control	Satin Guard WB
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	3	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	3	3

“Blue Ice Natural Cleft Sandstone”		
	Untreated Control	Satin Guard WB
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	4	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	3	3

N/A – non-free flowing staining agent

TEST RESULTS: Surface Beading Evaluation (cont.)

“Blue Ice Thermal Sandstone”		
	Untreated Control	Satin Guard WB
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	3	3
Bals. Vin.	3	3
Soy Sauce	3	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	3	3

“Golden Quartz”		
	Untreated Control	Satin Guard WB
Coca Cola	3	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	4	3
Bals. Vin.	4	3
Soy Sauce	4	3
Olive Oil	4	3
Wesson Oil	4	3
Hot Coffee	3	3

N/A – non-free flowing staining agent

TEST RESULTS: Surface Beading Evaluation (cont.)

"Oxford Buff"		
	Untreated Control	Satin Guard WB
Coca Cola	4	3
Ketchup	N/A	N/A
Mustard	N/A	N/A
Red Wine	4	3
Bals. Vin.	4	3
Soy Sauce	4	3
Olive Oil	5	3
Wesson Oil	5	3
Hot Coffee	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® Klean 'N Release 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

“Arctic Cloud Marble”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	30%	100%	100%	30%	30%	N/A	10%	10%	N/A
4 hour	30%	100%	100%	30%	50%	N/A	10%	10%	N/A
1 hour	30%	100%	100%	50%	50%	N/A	10%	10%	N/A
10 min.	90%	100%	100%	50%	50%	N/A	30%	30%	50%
Sure Klean® Weather Seal Satin Guard WB									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	50%	50%	100%	100%	100%	70%
4 hour	100%	100%	100%	50%	50%	100%	100%	100%	90%
1 hour	100%	100%	100%	90%	90%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%

“Misty Blue Marble”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	30%	100%	100%	30%	30%	50%	10%	10%	30%
4 hour	30%	100%	100%	30%	30%	50%	20%	20%	30%
1 hour	50%	100%	100%	50%	30%	50%	20%	20%	50%
10 min.	90%	100%	100%	90%	50%	90%	20%	20%	100%
Sure Klean® Weather Seal Satin Guard WB									
	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.

N/A Indicates the removal of the stain, following maintenance cleaning, was unable to be determined due to olive oil or Wesson oil spreading masking the area in question.

TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)
“Silver Travertine”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	50%	30%	30%	10%	10%	30%
4 hour	100%	100%	100%	50%	30%	30%	10%	10%	30%
1 hour	100%	100%	100%	70%	50%	30%	10%	10%	50%
10 min.	100%	100%	100%	90%	50%	50%	30%	30%	100%
Sure Klean® Weather Seal Satin Guard WB									
	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%

“Walnut Travertine”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	50%	100%	70%	30%	30%	N/A	10%	10%	N/A
4 hour	50%	100%	100%	30%	30%	N/A	10%	10%	N/A
1 hour	50%	100%	100%	30%	30%	70%	10%	10%	70%
10 min.	90%	100%	100%	50%	50%	50%	30%	30%	100%
Sure Klean® Weather Seal Satin Guard WB									
	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.

N/A Indicates the removal of the stain, following maintenance cleaning, was unable to be determined due to olive oil or Wesson oil spreading masking the area in question.

TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)
“Blue Mist Granite”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	10%	30%	N/A	10%	10%	N/A
4 hour	100%	100%	100%	10%	30%	N/A	30%	30%	N/A
1 hour	100%	100%	100%	70%	90%	100%	50%	50%	100%
10 min.	100%	100%	100%	100%	100%	100%	90%	90%	100%
Sure Klean® Weather Seal Gloss ‘N Guard									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	100%	100%	100%	100%	30%	100%
4 hour	100%	100%	100%	100%	100%	100%	100%	50%	100%
1 hour	100%	100%	100%	100%	100%	100%	100%	100%	100%
10 min.	100%	100%	100%	100%	100%	100%	100%	100%	100%

“Imported Gray Granite”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	50%	100%	100%	10%	30%	30%	10%	10%	10%
4 hour	50%	100%	100%	10%	30%	50%	10%	10%	10%
1 hour	90%	100%	100%	70%	50%	70%	30%	30%	50%
10 min.	100%	100%	100%	100%	90%	100%	50%	50%	90%
Sure Klean® Weather Seal Gloss ‘N Guard									
	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.

N/A Indicates the removal of the stain, following maintenance cleaning, was unable to be determined due to olive oil or Wesson oil spreading masking the area in question.

TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)
“Phoenician Granite”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	30%	100%	30%	70%	100%	10%	10%	30%
4 hour	100%	100%	100%	30%	70%	100%	30%	30%	30%
1 hour	100%	100%	100%	50%	100%	100%	30%	30%	70%
10 min.	100%	100%	100%	100%	100%	100%	70%	70%	100%
Sure Klean® Weather Seal Gloss ‘N Guard									
	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%

“Sandy Point Granite”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	50%	50%	N/A	10%	10%	N/A
4 hour	100%	100%	100%	50%	70%	N/A	30%	30%	N/A
1 hour	100%	100%	100%	100%	100%	N/A	50%	50%	N/A
10 min.	100%	100%	100%	100%	100%	N/A	70%	70%	100%
Sure Klean® Weather Seal Gloss ‘N Guard									
	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.

N/A Indicates the removal of the stain, following maintenance cleaning, was unable to be determined due to olive oil or Wesson oil spreading masking the area in question.

TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)
“Silver Ridge Granite”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	30%	N/A	N/A	10%	10%	N/A
4 hour	100%	100%	100%	30%	N/A	N/A	10%	10%	30%
1 hour	100%	100%	100%	70%	70%	N/A	50%	50%	100%
10 min.	100%	100%	100%	100%	100%	N/A	100%	100%	100%
Sure Klean® Weather Seal Gloss ‘N Guard									
	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%

“Italian Bluestone”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	10%	30%	N/A	10%	10%	30%
4 hour	100%	100%	100%	10%	30%	N/A	10%	10%	30%
1 hour	100%	100%	100%	10%	30%	N/A	10%	10%	N/A
10 min.	100%	100%	100%	50%	100%	N/A	30%	30%	N/A
Sure Klean® Weather Seal Satin Guard WB									
	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.

N/A Indicates the removal of the stain, following maintenance cleaning, was unable to be determined due to olive oil or Wesson oil spreading masking the area in question.

TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)
“Premium Dark Bluestone”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	30%	N/A	N/A	10%	10%	N/A
4 hour	100%	100%	100%	30%	N/A	N/A	10%	10%	N/A
1 hour	100%	100%	100%	30%	50%	N/A	10%	10%	N/A
10 min.	100%	100%	100%	50%	100%	N/A	30%	30%	N/A
Sure Klean® Weather Seal Satin Guard WB									
	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%

“Autumn Brown Natural Sandstone”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	70%	70%	30%	30%	N/A	N/A	10%	10%	N/A
4 hour	70%	100%	30%	30%	N/A	N/A	10%	10%	N/A
1 hour	70%	100%	50%	30%	N/A	N/A	10%	10%	N/A
10 min.	90%	100%	100%	70%	N/A	N/A	30%	30%	N/A
Sure Klean® Weather Seal Satin Guard WB									
	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.

N/A Indicates the removal of the stain, following maintenance cleaning, was unable to be determined due to olive oil or Wesson oil spreading masking the area in question.

TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)
“Autumn Brown Thermal Sandstone”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	70%	70%	30%	30%	N/A	N/A	10%	10%	N/A
4 hour	70%	70%	30%	30%	N/A	N/A	10%	10%	N/A
1 hour	70%	100%	50%	30%	N/A	N/A	30%	30%	N/A
10 min.	100%	100%	100%	70%	N/A	N/A	30%	30%	N/A
Sure Klean® Weather Seal Satin Guard WB									
	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%

“Blue Ice Natural Cleft Sandstone”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	70%	80%	30%	10%	30%	30%	10%	10%	N/A
4 hour	70%	90%	50%	10%	30%	30%	10%	10%	N/A
1 hour	70%	100%	90%	10%	30%	30%	30%	30%	N/A
10 min.	100%	100%	100%	90%	90%	90%	70%	70%	N/A
Sure Klean® Weather Seal Satin Guard WB									
	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.

N/A Indicates the removal of the stain, following maintenance cleaning, was unable to be determined due to olive oil or Wesson oil spreading masking the area in question.

TEST RESULTS AND PHOTOGRAPHS: Stain Resistance Evaluation (cont.)
“Blue Ice Thermal Sandstone”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	70%	80%	30%	10%	30%	30%	10%	10%	30%
4 hour	70%	90%	50%	10%	30%	30%	30%	30%	30%
1 hour	70%	90%	70%	10%	30%	30%	30%	30%	N/A
10 min.	100%	100%	100%	90%	90%	90%	70%	70%	N/A
Sure Klean® Weather Seal Satin Guard WB									
	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%

“Golden Quartz”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	100%	100%	100%	50%	N/A	N/A	30%	30%	N/A
4 hour	100%	100%	100%	70%	N/A	N/A	30%	30%	N/A
1 hour	100%	100%	100%	100%	N/A	N/A	30%	30%	N/A
10 min.	100%	100%	100%	100%	N/A	N/A	50%	50%	N/A
Sure Klean® Weather Seal Satin Guard WB									
	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.

N/A Indicates the removal of the stain, following maintenance cleaning, was unable to be determined due to olive oil or Wesson oil spreading masking the area in question.

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

“Oxford Buff”

% Removal

Untreated Control									
	Cola	Ketch.	Must.	Red Wine	Bals. Vin.	Soy Sauce	Olive Oil	Wesson Oil	Coffee
24 hour	70%	70%	50%	50%	N/A	N/A	10%	10%	N/A
4 hour	70%	70%	50%	50%	N/A	N/A	10%	10%	N/A
1 hour	70%	100%	100%	30%	N/A	N/A	30%	30%	N/A
10 min.	90%	100%	100%	100%	N/A	N/A	70%	70%	N/A
Sure Klean® Weather Seal Satin Guard WB									
	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%

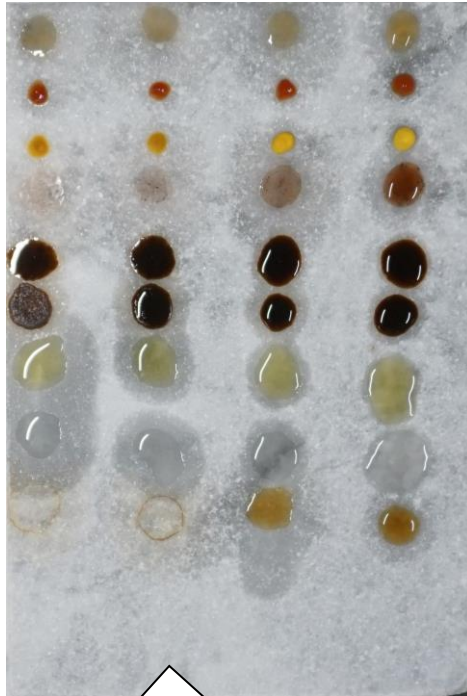
% Removal of stain following maintenance cleaning.

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

N/A Indicates the removal of the stain, following maintenance cleaning, was unable to be determined due to olive oil or Wesson oil spreading masking the area in question.

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

“Misty Blue Marble” With Stains



Untreated Control



Satin Guard WB

“Misty Blue Marble” After Stain Testing



Untreated Control



Satin Guard WB

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

“Walnut Travertine” With Stains



Untreated Control



Satin Guard WB

“Walnut Travertine” After Stain Testing



Untreated Control



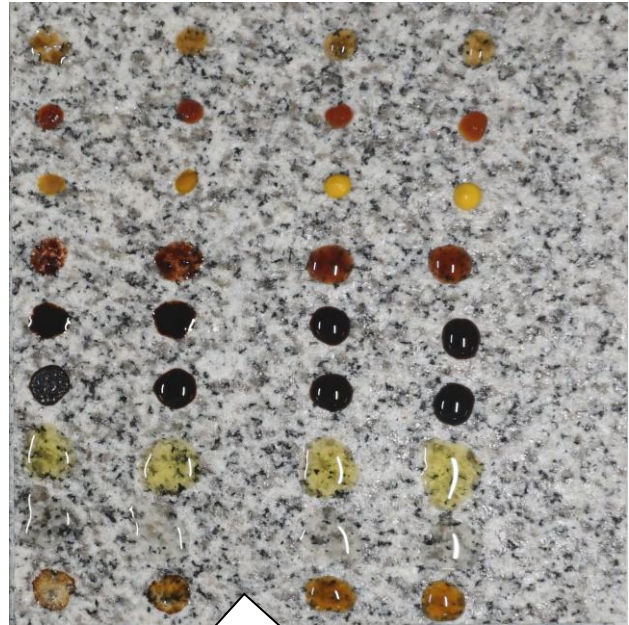
Satin Guard WB

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

“Imported Gray Granite” With Stains

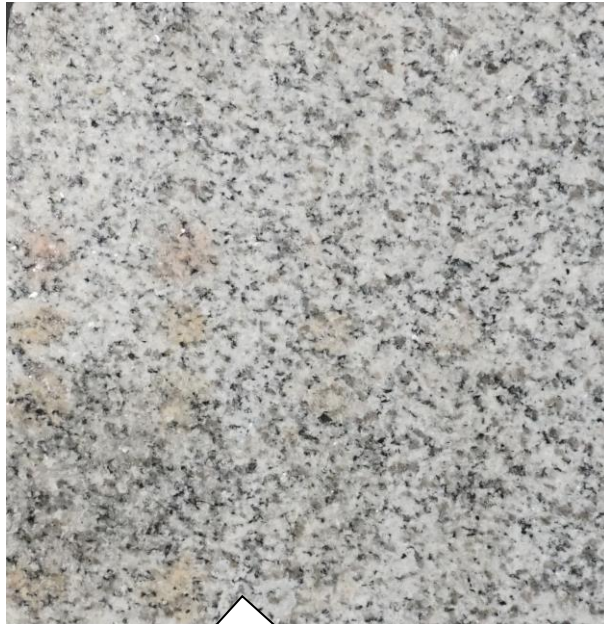


Untreated Control

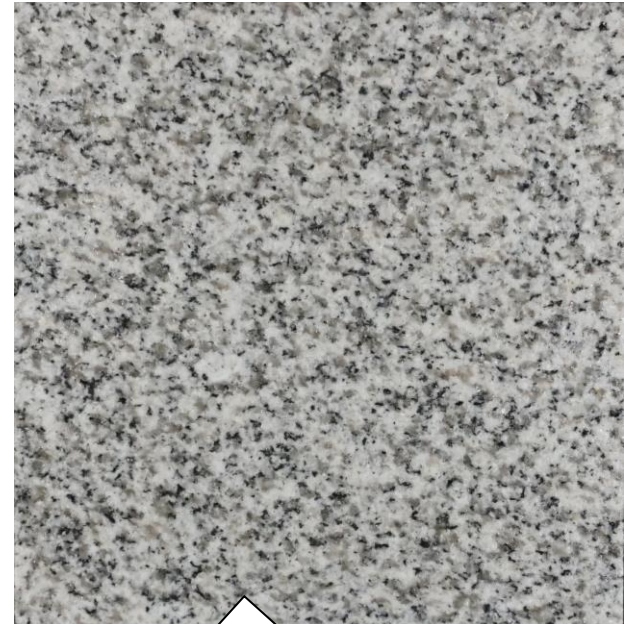


Satin Guard WB

“Imported Gray Granite” After Stain Testing



Untreated Control



Satin Guard WB

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

“Italian Bluestone” With Stains

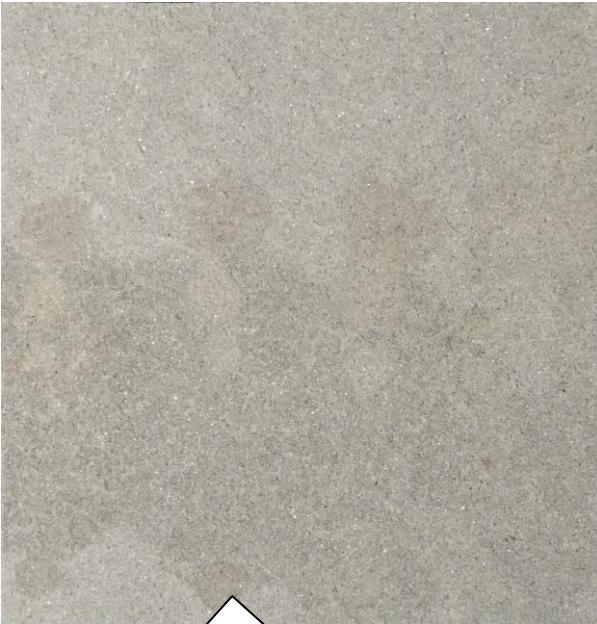


Untreated Control



Satin Guard WB

“Italian Bluestone” After Stain Testing



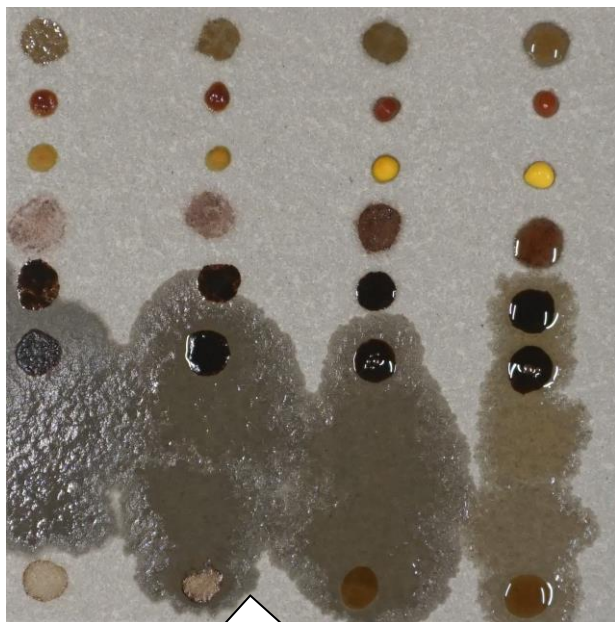
Untreated Control



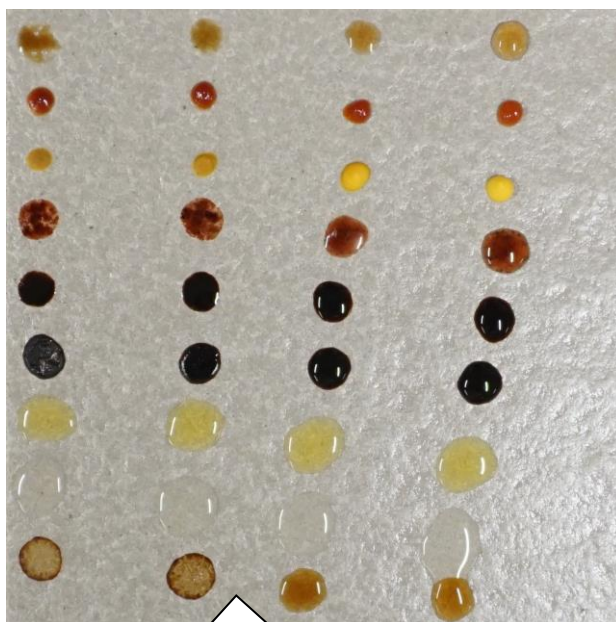
Satin Guard WB

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

“Blue Ice Thermal Sandstone” With Stains



Untreated Control



Satin Guard WB

“Blue Ice Thermal Sandstone” After Stain Testing



Untreated Control



Satin Guard WB

CONCLUSIONS: Surface Beading and Stain Resistance

In the surface beading evaluation, Sure Klean® Weather Seal Gloss 'N Guard and Sure Klean® Weather Seal Satin Guard WB had equal or smaller angles of contact with each stain applied on the submitted samples when compared to the untreated control. This smaller angle of contact indicates that the treated samples have a higher level of repellency than the untreated control.

In the stain resistance tests conducted, Sure Klean® Weather Seal Gloss 'N Guard and Sure Klean® Weather Seal Satin Guard WB proved effective at repelling the applied stains on the submitted samples.

RECOMMENDATIONS: Stain Resistance

Recommendations for stain resistance for each type of natural stone submitted by Instone, Alsip, IL are provided in the chart below. Recommendations are based on the treatments that proved most effective for providing stain repellency on the submitted samples.

Sample	Stain Resistance
"Arctic Cloud Marble"	<u>Stain Repellents</u> Sure Klean® Weather Seal Satin Guard WB <u>Maintenance Cleaner</u> Enviro Klean® Klean 'N Release Cleaner
"Misty Blue Marble"	
"Silver Travertine"	
"Walnut Travertine"	
"Blue Mist Granite"	<u>Stain Repellents</u> Sure Klean® Weather Seal Gloss 'N Guard <u>Maintenance Cleaner</u> Enviro Klean® Klean 'N Release Cleaner
"Imported Gray Granite"	
"Phoenician Granite"	
"Sandy Point Granite"	
"Silver Ridge Granite"	
"Italian Bluestone"	<u>Stain Repellents</u> Sure Klean® Weather Seal Satin Guard WB <u>Maintenance Cleaner</u> Enviro Klean® Klean 'N Release Cleaner
"Premium Dark Bluestone"	
"Autumn Brown Natural Sandstone"	
"Autumn Brown Thermal Sandstone"	
"Blue Ice Natural Cleft Sandstone"	
"Blue Ice Thermal Sandstone"	
"Golden Quartz"	
"Oxford Buff"	

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
Chemist

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.