



*Pallet Tag Program
Laboratory Report*

Techo-Bloc
Concrete Paver
Saint-Hubert, Quebec



Project No. 2402-07 PTP

Prepared For:



PROSOCO

Prepared By:

J. Lucas Comadoll

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Project Testing Technician
AMT Laboratories

March 2024



LABORATORY REPORT

AMT Laboratories • 3741 Greenway Circle • Lawrence, Kansas 66046 • (888) 376-3600

FOR: Nicholas Finlayson, Techo-Bloc Inc.
cc: Yannick St-louis, Proline Canada
John Breska, PROSOCO, Inc.
Jake Boyer, PROSOCO, Inc.

SUBJECT: Techo-Bloc – Concrete Paver
Saint-Hubert, Quebec, Canada
Pallet Tag Evaluation

DATE: March 15, 2024
PROJECT: 2402-07 PTP

SAMPLES SUBMITTED: 12 types of concrete pavers

Type	Name	Finish	Color	Size
(18) Concrete Paver	Blu 60	Slate	Champlain Grey	2 3/8" x 6 1/2" x 13"
(18) Concrete Paver	Blu 60	Slate	Onyx Black	2 3/8" x 6 1/2" x 13"
(18) Concrete Paver	Blu 60	HD ² Slate	Chestnut Brown	2 3/8" x 6 1/2" x 13"
(18) Concrete Paver	Blu 60	HD ² Slate	Shale Grey	2 3/8" x 6 1/2" x 13"
(18) Concrete Paver	Blu 60	Smooth	Beige Cream	2 3/8" x 6 1/2" x 13"
(18) Concrete Paver	Blu 60	Smooth	Onyx Black	2 3/8" x 6 1/2" x 13"
(18) Concrete Paver	Blu 60	HD ² Smooth	Greyed Nickel	2 3/8" x 6 1/2" x 13"
(18) Concrete Paver	Blu 60	HD ² Smooth	Shale Grey	2 3/8" x 6 1/2" x 13"
(30) Concrete Paver	Diamond	HD ² Granitex	Beige Cream	3 15/16" x 7 1/8" x 12 5/16"
(30) Concrete Paver	Diamond	HD ² Granitex	Shale Grey	3 15/16" x 7 1/8" x 12 5/16"
(24) Concrete Paver	Industria	HD ² Polished	Beige Cream	3 7/8" x 11 13/16" x 11 13/16"
(24) Concrete Paver	Industria	HD ² Polished	Shale Grey	3 7/8" x 11 13/16" x 11 13/16"

SUBMITTED BY: Nicholas Finlayson
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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 the requested PROSOCO, Inc. treatments on the submitted samples.
- To determine the most appropriate PROSOCO, Inc. water repellent for the submitted samples.

PRODUCTS EVALUATED:

New Construction Cleaning	Dilution:
Enviro Klean® 2010 All Surface Cleaner® (Maintenance Cleaning)	1:10
Enviro Klean® Safety Klean	1:2, 1:3
Sure Klean® Light Duty Concrete Cleaner	1:2, 1:3
Sure Klean® Vana Trol®	1:6, 1:8
Sure Klean® 600	1:6, 1:8
Sure Klean® Heavy Duty Concrete Cleaner	1:4, 1:6

Color and Sheen Enhancement	Dilution:
PROSOCO® Saltguard® WB	N/A*
PROSOCO® SL100 Water Repellent	N/A*
Sure Klean® Weather Seal Natural Stone Treatment WB	N/A*
Sure Klean® Weather Seal Sand Joint Stabilizer	N/A*
Sure Klean® Weather Seal Satin Guard WB	N/A*

Water Repellency	Dilution:
PROSOCO® Saltguard® WB	N/A*
PROSOCO® SL100 Water Repellent	N/A*
Sure Klean® Weather Seal Natural Stone Treatment WB	N/A*

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

TEST METHODS: New Construction Cleaning

Enviro Klean® 2010 All Surface Cleaner®, Enviro Klean® Safety Klean, Sure Klean® Light Duty Concrete Cleaner, Sure Klean® Vana Trol®, Sure Klean® 600, and Sure Klean® Heavy Duty Concrete Cleaner were evaluated on the submitted samples to determine the optimal concentration of cleaner which leaves the external surface looking most like the natural through-body color of the concrete paver.

Color uniformity was evaluated by comparing aggregate exposure and surface pigment alteration/removal of each cleaned surface compared to the natural through-body color of the concrete paver.

Aggregate Exposure is the visual examination comparing aggregate exposure of the interior, through-body section of the concrete paver to surfaces cleaned with selected product(s) at given dilutions.

Surface Pigment Alteration/Removal is the visual examination comparing the pigmentation of the interior, through-body section of the concrete paver to surfaces cleaned with selected product(s) at given dilutions.

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

- 0 – **No change** compared to through-body
- 1 – **Slight change** compared to through-body
- 2 – **Moderate change** compared to through-body
- 3 – **Significant change** compared to through-body

Cleaning Procedure:

1. Pre-wet the surface and apply diluted cleaning solution according to PROSOCO, Inc. Product Guide instructions.
2. Allow for an appropriate dwell time and periodically agitate:

2010 All Surface Cleaner®	10 minutes
Safety Klean	5 minutes
Light Duty Concrete Cleaner	5 minutes
Vana Trol®	5 minutes
600	5 minutes
Heavy Duty Concrete Cleaner	3 minutes
3. Reapply cleaning solution; do not let cleaner dry into masonry.
4. Rinse thoroughly with plenty of fresh water.*
5. Allow the sample to dry for at least 18 hours and visually examine.
6. Break the sample and compare the through-body surfaces to the cleaned surfaces for the best match.

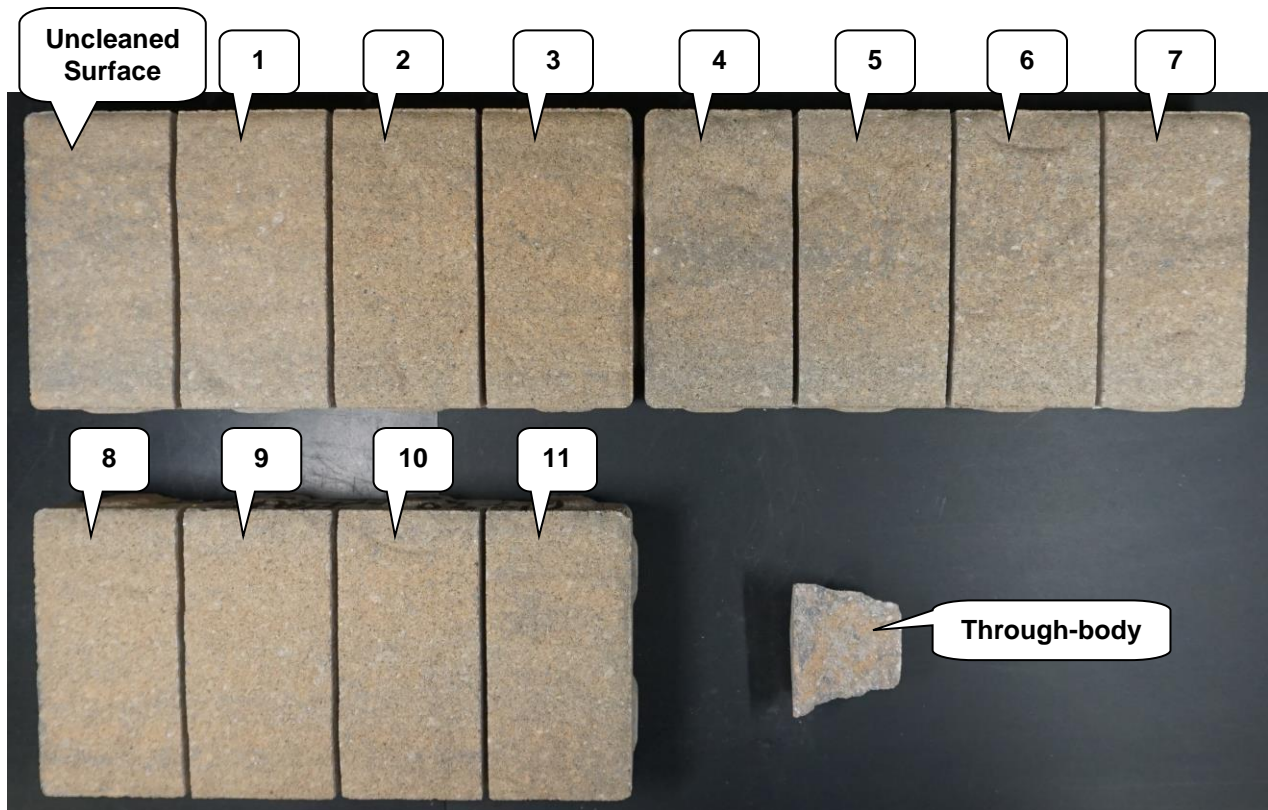
***Rinsing Equipment** – Masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 40-degree fan spray tip was used for rinsing.

TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning

Name: "Champlain Grey" Blu 60 Slate				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	2	2	2
Safety Klean	1:3	2	2	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	1	1	6
Vana Trol®	1:8	1	1	7
600	1:6	2	2	8
600	1:8	2	2	9
Heavy Duty Concrete Cleaner	1:4	2	2	10
Heavy Duty Concrete Cleaner	1:6	2	2	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Champlain Grey" Blu 60 Slate After Cleaning

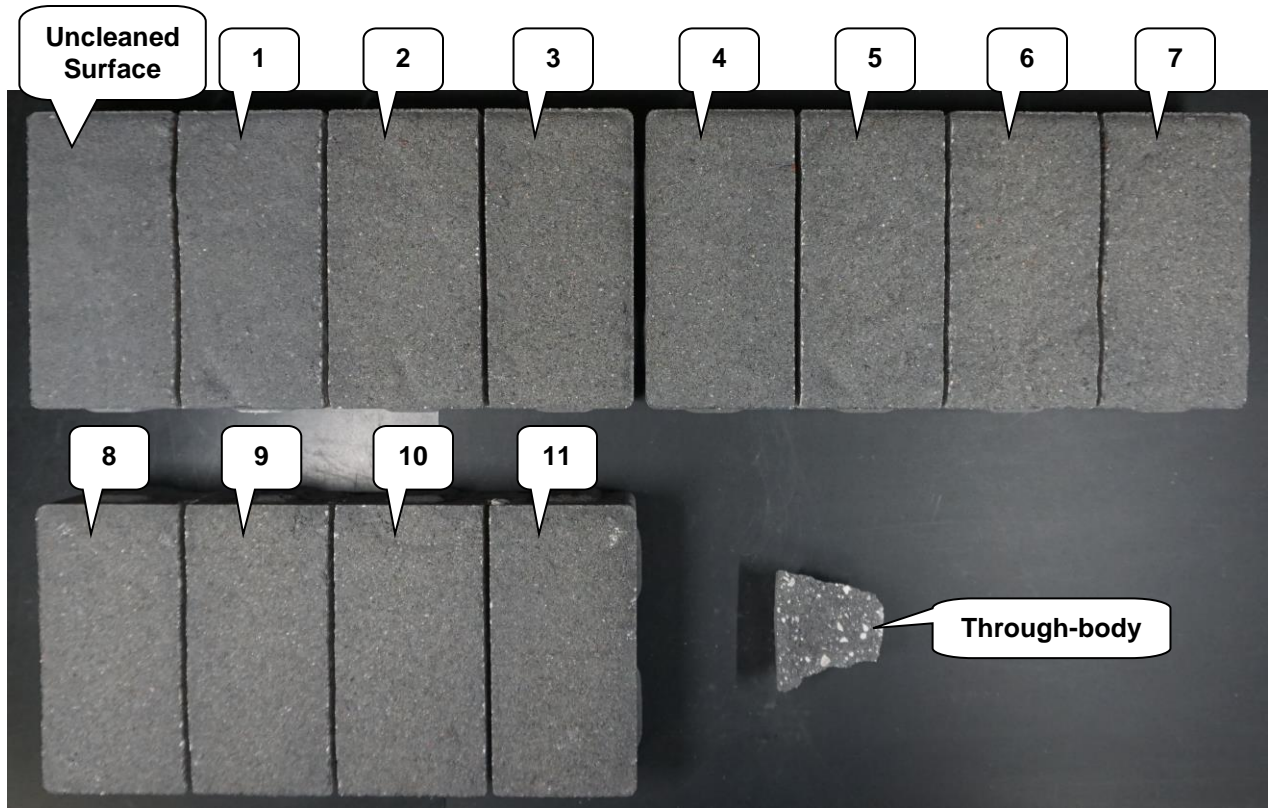


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Onyx Black" Blu 60 Slate				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	2	2	2
Safety Klean	1:3	2	2	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	2	2	6
Vana Trol®	1:8	2	2	7
600	1:6	2	2	8
600	1:8	2	2	9
Heavy Duty Concrete Cleaner	1:4	2	2	10
Heavy Duty Concrete Cleaner	1:6	2	2	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Onyx Black" Blu 60 Slate After Cleaning

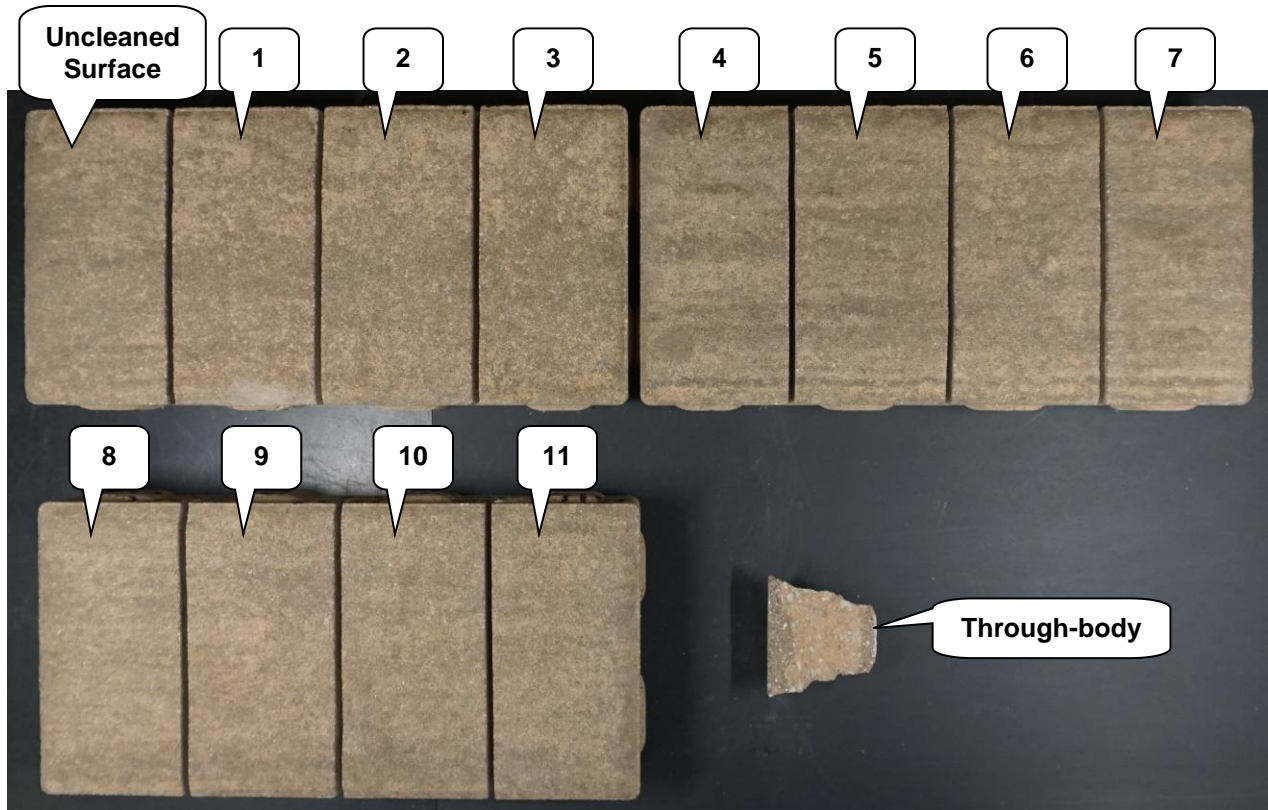


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Chestnut Brown" Blu 60 HD ² Slate				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	2	2	2
Safety Klean	1:3	2	2	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	1	1	6
Vana Trol®	1:8	1	1	7
600	1:6	2	2	8
600	1:8	2	2	9
Heavy Duty Concrete Cleaner	1:4	2	2	10
Heavy Duty Concrete Cleaner	1:6	2	2	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Chestnut Brown" Blu 60 HD² Slate After Cleaning

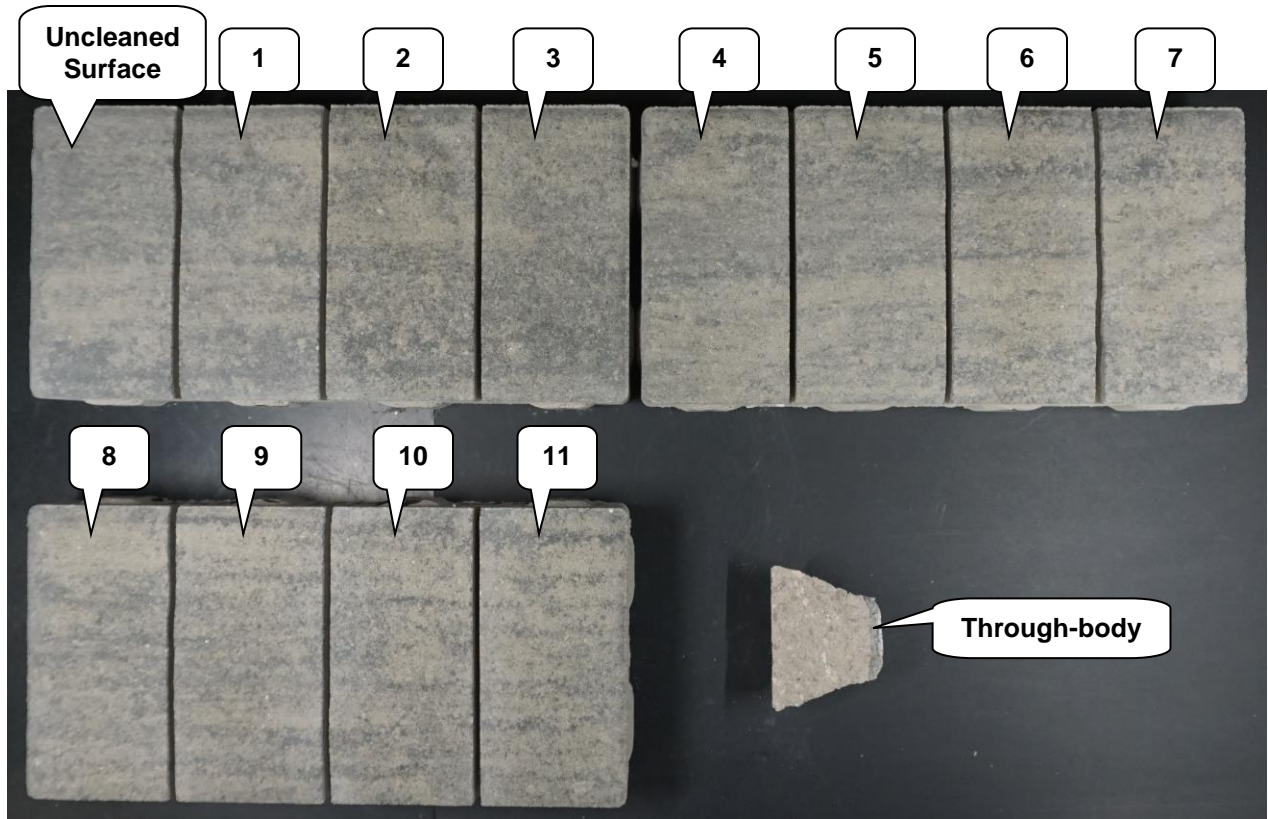


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Shale Grey" Blu 60 HD ² Slate				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	2	2	2
Safety Klean	1:3	2	2	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	2	2	6
Vana Trol®	1:8	2	2	7
600	1:6	2	2	8
600	1:8	2	2	9
Heavy Duty Concrete Cleaner	1:4	2	2	10
Heavy Duty Concrete Cleaner	1:6	2	2	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Shale Grey" Blu 60 HD² Slate After Cleaning

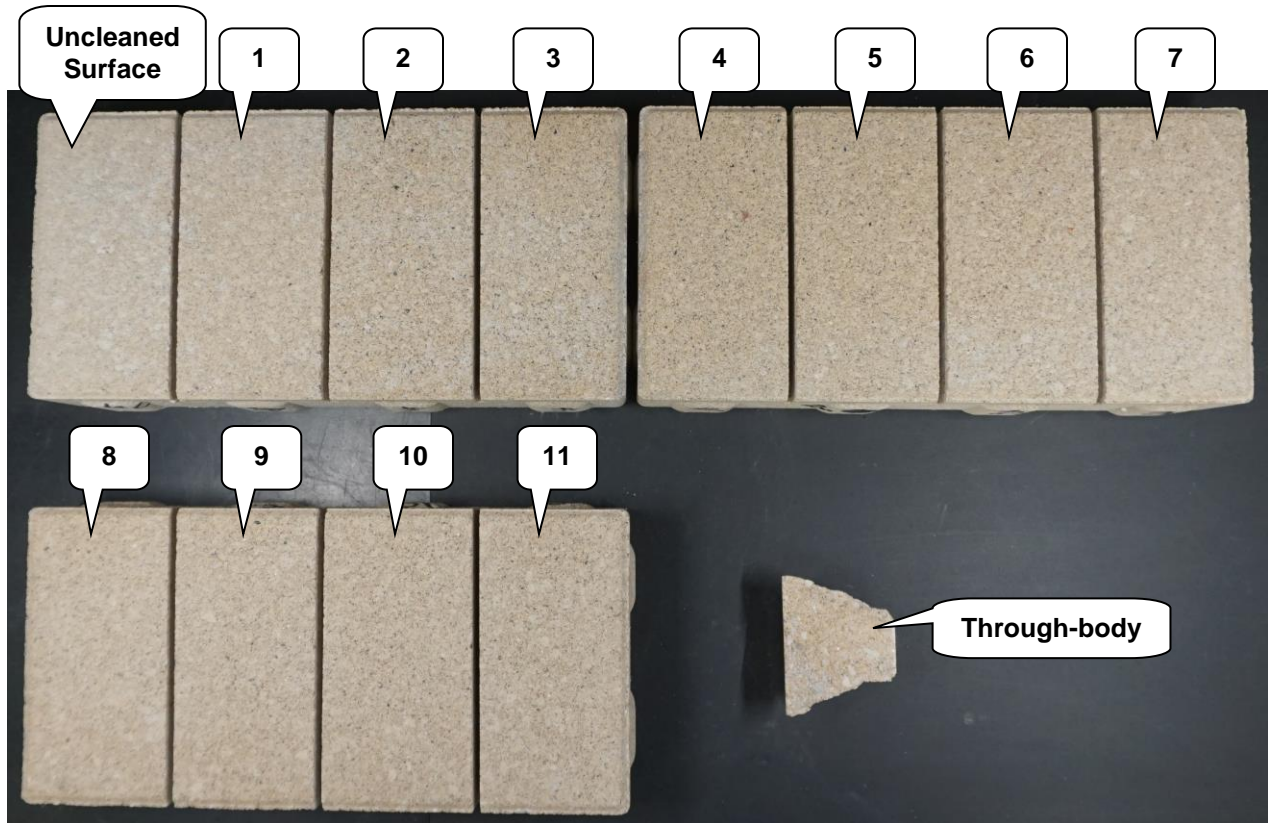


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Beige Cream" Blu 60 Smooth				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	2	2	2
Safety Klean	1:3	2	2	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	1	1	6
Vana Trol®	1:8	1	1	7
600	1:6	2	2	8
600	1:8	2	2	9
Heavy Duty Concrete Cleaner	1:4	2	2	10
Heavy Duty Concrete Cleaner	1:6	2	2	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Beige Cream" Blu 60 Smooth After Cleaning

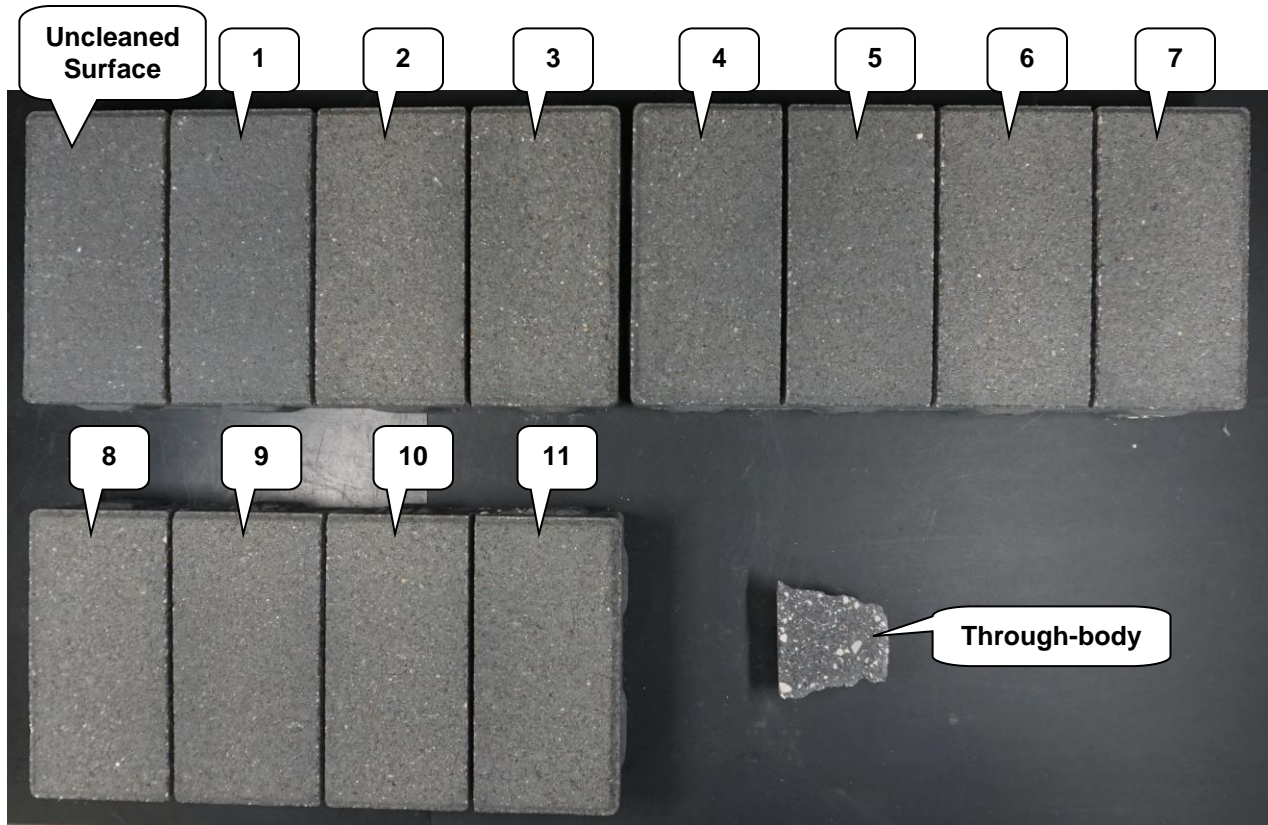


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Onyx Black" Blu 60 Smooth				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	2	2	2
Safety Klean	1:3	2	2	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	2	2	6
Vana Trol®	1:8	2	2	7
600	1:6	2	2	8
600	1:8	2	2	9
Heavy Duty Concrete Cleaner	1:4	2	2	10
Heavy Duty Concrete Cleaner	1:6	2	2	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Onyx Black" Blu 60 Smooth After Cleaning

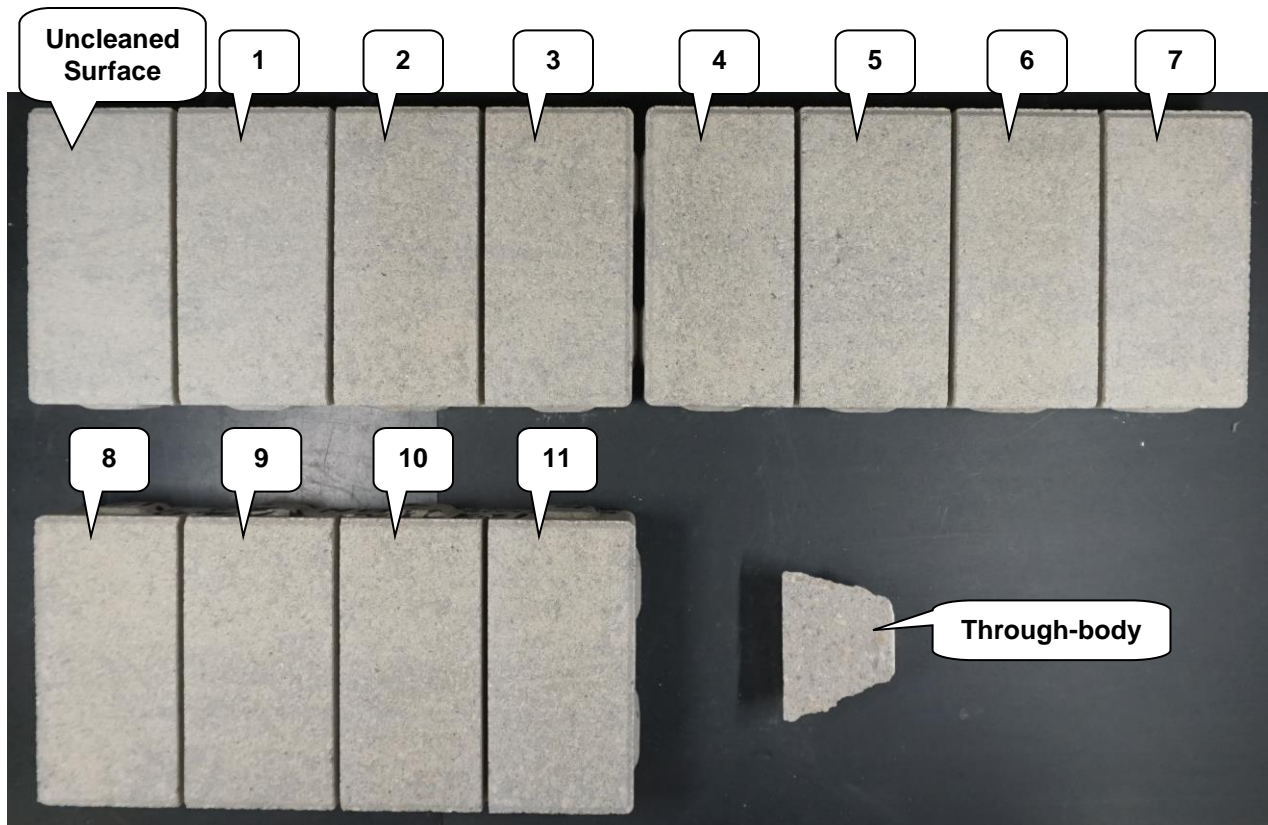


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Greyed Nickel" Blu 60 HD ² Smooth				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	2	2	2
Safety Klean	1:3	2	2	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	1	1	6
Vana Trol®	1:8	1	1	7
600	1:6	2	2	8
600	1:8	2	2	9
Heavy Duty Concrete Cleaner	1:4	2	2	10
Heavy Duty Concrete Cleaner	1:6	2	2	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Greyed Nickel" Blu 60 HD² Smooth After Cleaning

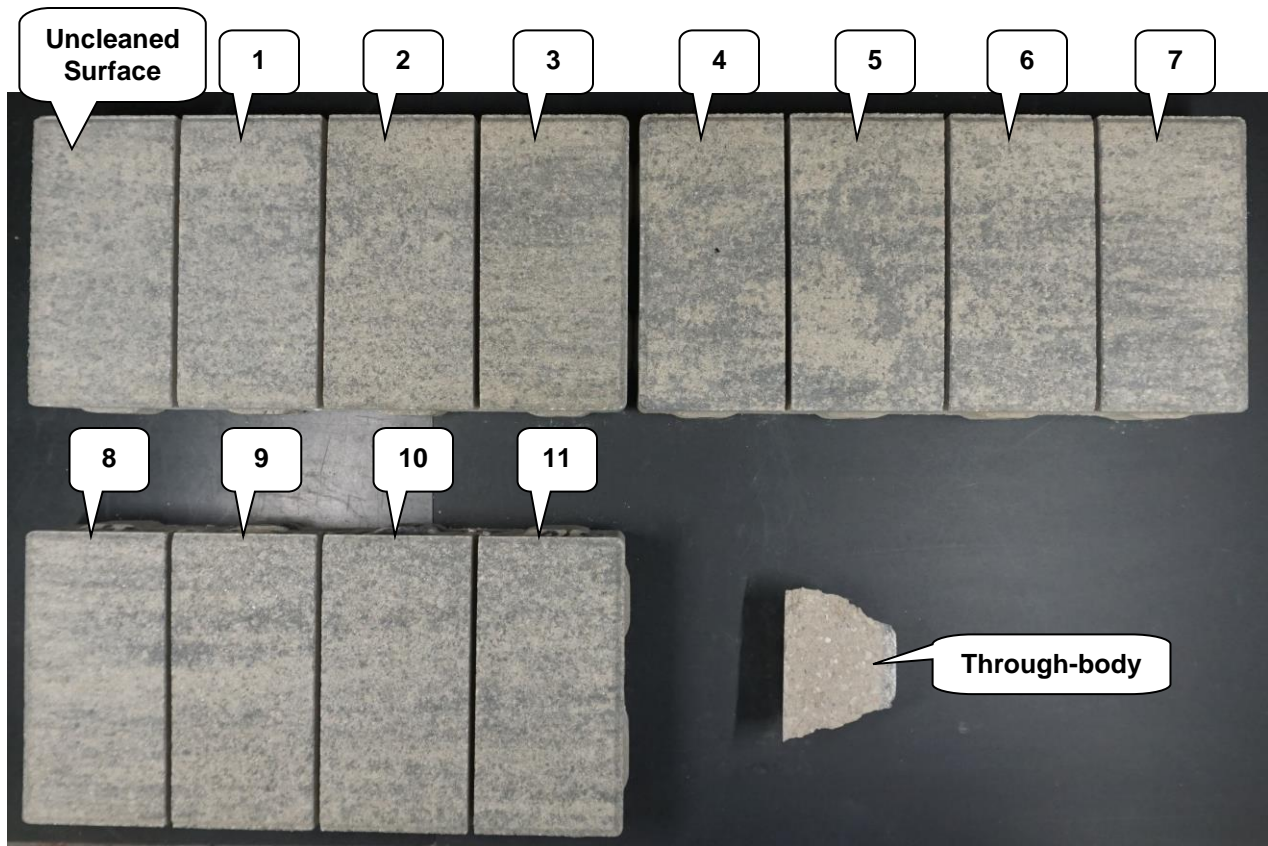


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Shale Grey" Blu 60 HD ² Smooth				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	2	2	2
Safety Klean	1:3	2	2	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	2	2	6
Vana Trol®	1:8	2	2	7
600	1:6	2	2	8
600	1:8	2	2	9
Heavy Duty Concrete Cleaner	1:4	2	2	10
Heavy Duty Concrete Cleaner	1:6	2	2	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Shale Grey" Blu 60 HD² Smooth After Cleaning

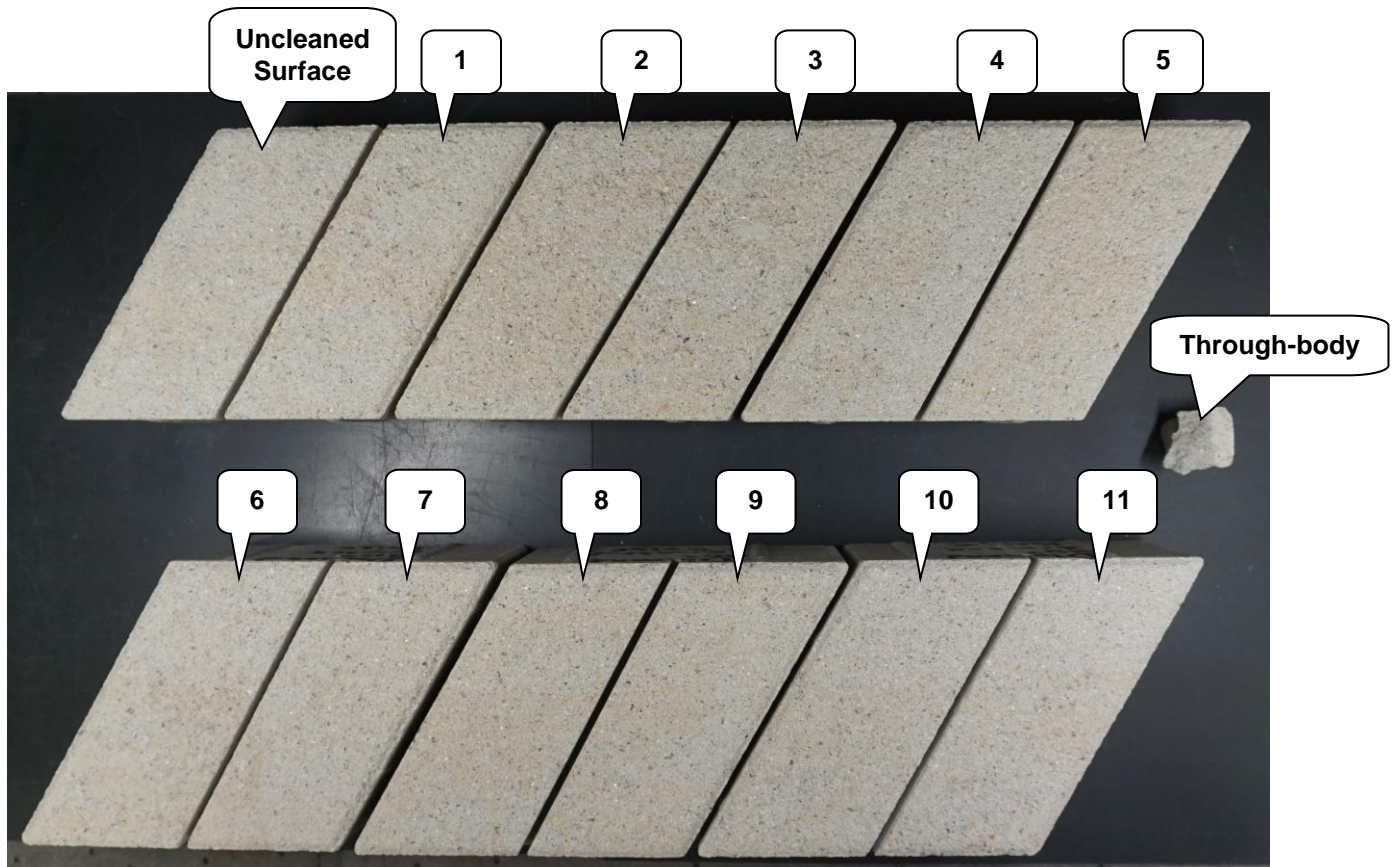


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Beige Cream" Diamond HD ² Granitex				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	1	1	2
Safety Klean	1:3	1	1	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	1	1	6
Vana Trol®	1:8	1	1	7
600	1:6	1	1	8
600	1:8	1	1	9
Heavy Duty Concrete Cleaner	1:4	1	1	10
Heavy Duty Concrete Cleaner	1:6	1	1	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Beige Cream" Diamond HD² Granitex After Cleaning

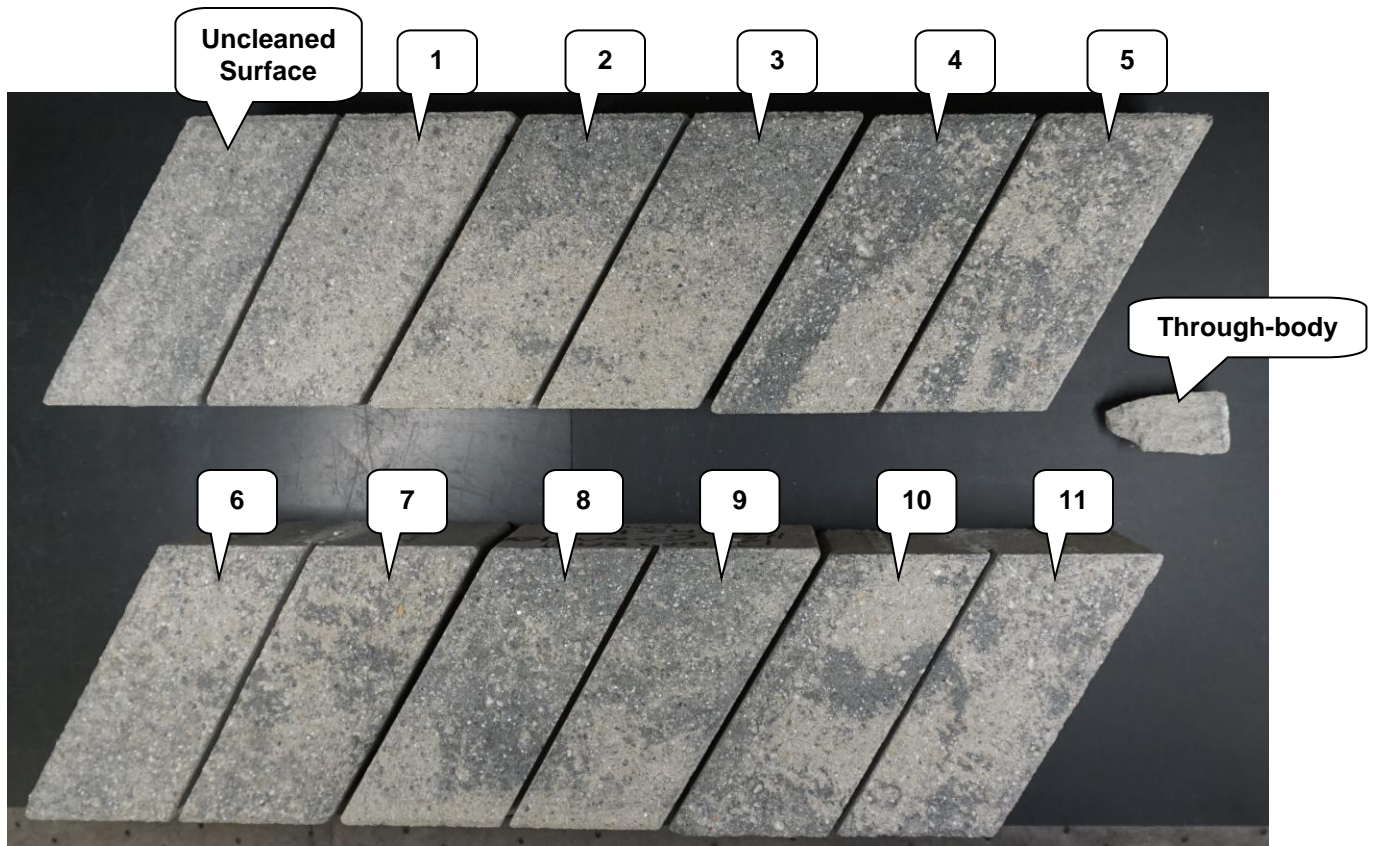


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Shale Grey" Diamond HD ² Granitex				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	1	1	2
Safety Klean	1:3	1	1	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	1	1	6
Vana Trol®	1:8	1	1	7
600	1:6	1	1	8
600	1:8	1	1	9
Heavy Duty Concrete Cleaner	1:4	1	1	10
Heavy Duty Concrete Cleaner	1:6	1	1	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Shale Grey" Diamond HD² Granitex After Cleaning

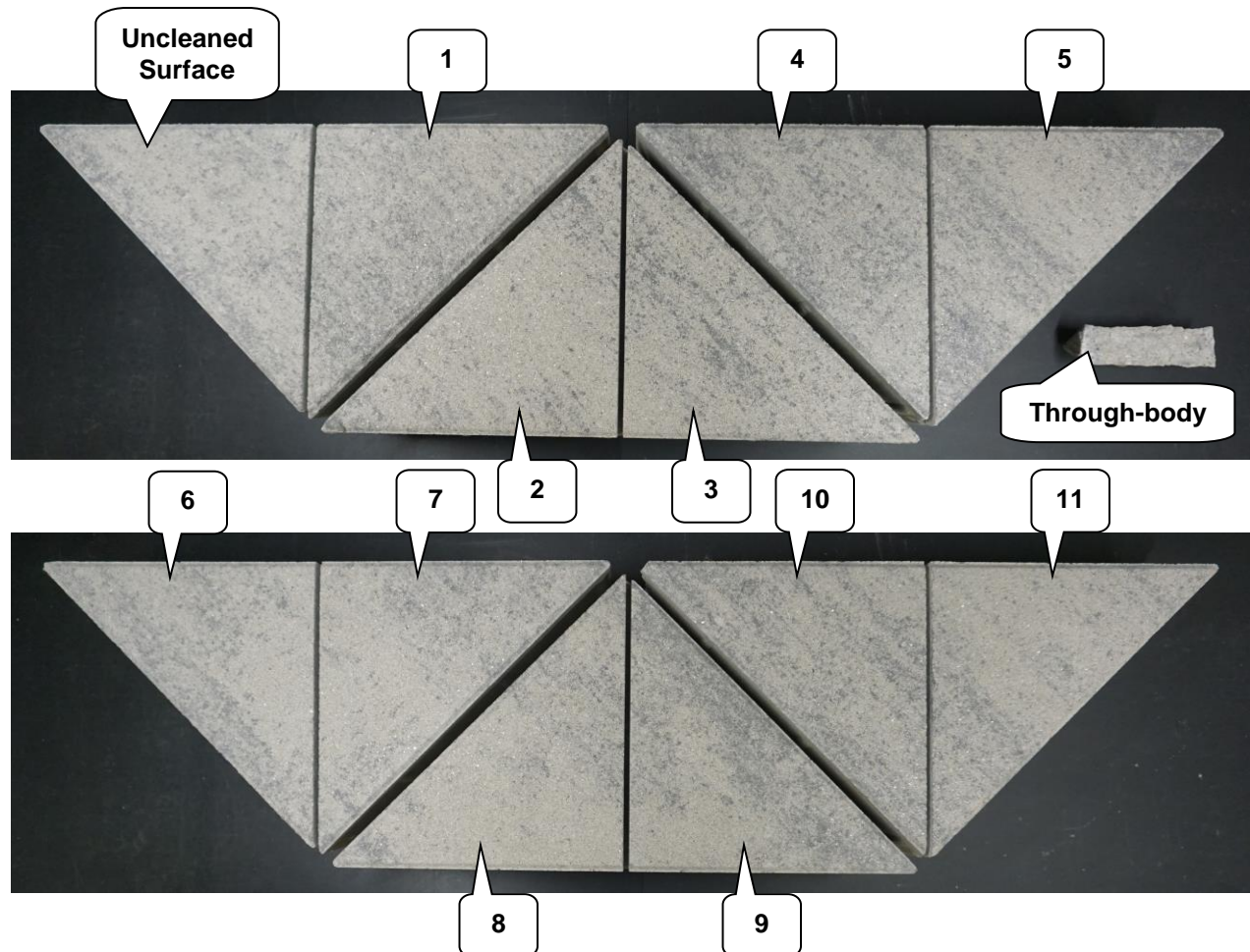


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Beige Cream" Industria HD ² Polished				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	2	2	2
Safety Klean	1:3	2	2	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	1	1	6
Vana Trol®	1:8	1	1	7
600	1:6	2	2	8
600	1:8	2	2	9
Heavy Duty Concrete Cleaner	1:4	2	2	10
Heavy Duty Concrete Cleaner	1:6	2	2	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Beige Cream" Industria HD² Polished After Cleaning

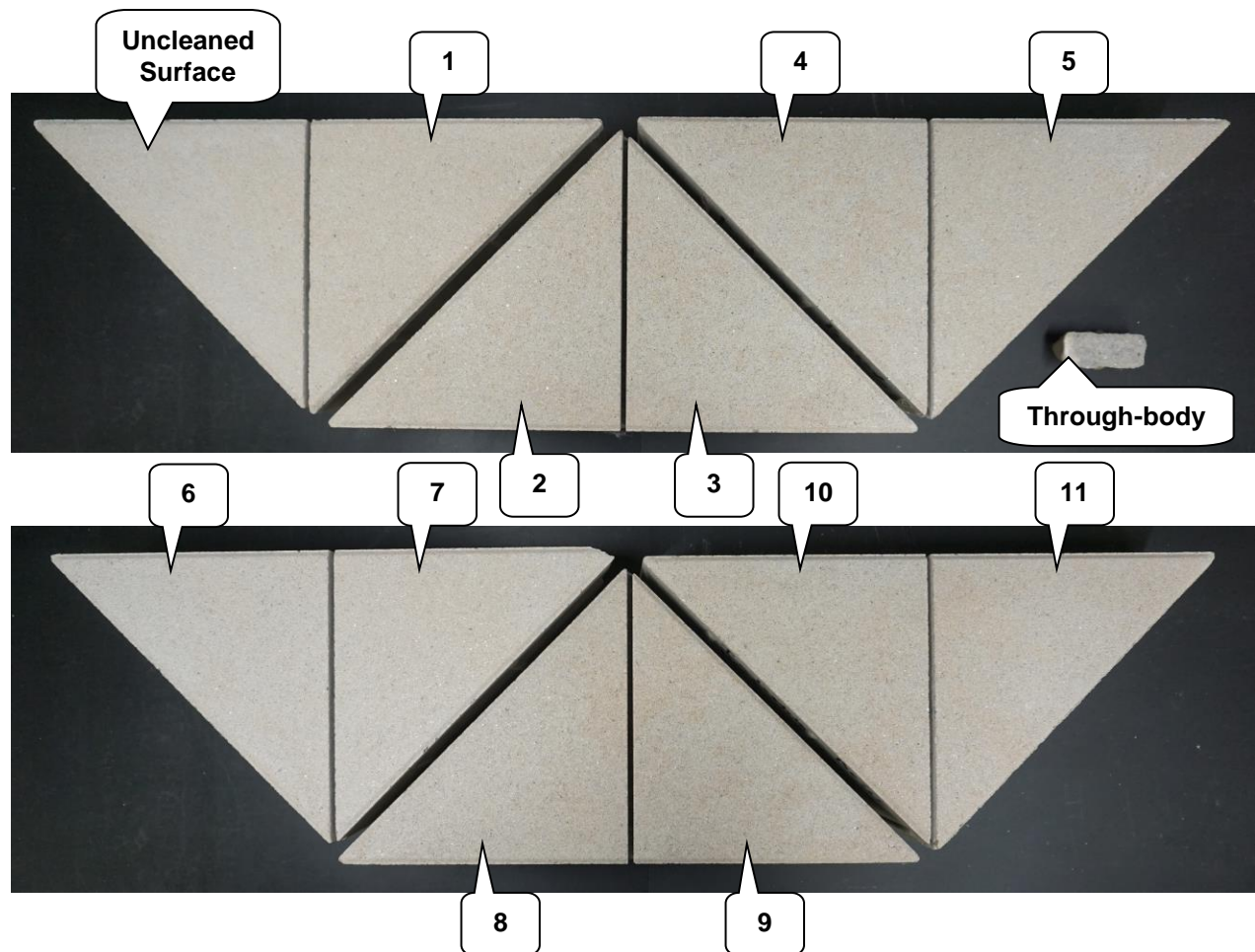


TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)

Name: "Shale Grey" Industria HD ² Polished				
Product	Dilution	Aggregate Exposure	Surface Pigment Alteration/Removal	Key
2010 All Surface Cleaner®	1:10	N/A*	N/A*	1
Safety Klean	1:2	2	2	2
Safety Klean	1:3	2	2	3
Light Duty Concrete Cleaner	1:2	1	1	4
Light Duty Concrete Cleaner	1:3	1	1	5
Vana Trol®	1:6	1	1	6
Vana Trol®	1:8	1	1	7
600	1:6	2	2	8
600	1:8	2	2	9
Heavy Duty Concrete Cleaner	1:4	2	2	10
Heavy Duty Concrete Cleaner	1:6	2	2	11

***NOTE: Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.**

"Shale Grey" Industria HD² Polished After Cleaning



CONCLUSIONS: New Construction Cleaning

In the cleaning tests conducted on the concrete pavers, Enviro Klean® 2010 All Surface Cleaner® diluted with 10 parts water did not cause any change in appearance to the submitted samples. Enviro Klean® 2010 All Surface Cleaner® is a maintenance cleaner and not intended to expose aggregate or alter/remove surface pigment.

Both dilutions of Sure Klean® Light Duty Concrete Cleaner removed a slight amount of surface pigment, exposing a slight amount of aggregate.

Both dilutions of Enviro Klean® Safety Klean, Sure Klean® Vana Trol®, Sure Klean® 600, and Sure Klean® Heavy Duty Concrete Cleaner removed a slight to moderate amount of surface pigment, exposing a slight to moderate amount of aggregate, depending on the concrete paver.

All of the new construction cleaners in each dilution evaluated provided an accurate match to the through-body color of each concrete paver.

When choosing the most appropriate product for the desired result:

- For cleaning and degreasing light-to-heavily soiled stone, tile, masonry, and concrete – Test Enviro Klean® 2010 All Surface Cleaner®
- For an effective, safe alternative to acidic cleaning compounds – Test Enviro Klean® Safety Klean
- For common construction and atmospheric staining – Test Sure Klean® Light Duty Concrete Cleaner
- For new masonry surfaces that are subject to vanadium, manganese, and other metallic stains – Test Sure Klean® Vana Trol®
- For a general purpose, concentrated acidic cleaner – Test Sure Klean® 600
- For removal of concrete splashes, excess mortar, retarders, heavy efflorescence, embedded stains, rust and surface soiling – Test Sure Klean® Heavy Duty Concrete Cleaner

Use higher concentrations and surface agitation to maximize aggregate exposure. Use low concentrations and surface agitation to minimize aggregate exposure.

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 for each type of concrete paver submitted by Techo-Bloc, Saint-Hubert, Quebec are provided in the chart below. Recommendations are based on the cleaner and dilution that provided the best match to the through-body.

Sample	New Construction Cleaning	Maintenance Cleaning
"Champlain Grey" Blu 60 Slate	² Enviro Klean® Safety Klean (1:2) or (1:3) OR ¹ Sure Klean® Light Duty Concrete Cleaner (1:2) or (1:3) OR ¹ Sure Klean® Vana Trol® (1:6) or (1:8) OR ² Sure Klean® 600 (1:6) or (1:8) OR ² Sure Klean® Heavy Duty Concrete Cleaner (1:4) or (1:6)	Enviro Klean® 2010 All Surface Cleaner® (1:10)
"Chestnut Brown" Blu 60 HD ² Slate		
"Beige Cream" Blu 60 Smooth		
"Greyed Nickel" Blu 60 HD ² Smooth		
"Beige Cream" Industria HD ² Polished		
"Shale Grey" Industria HD ² Polished		
"Onyx Black" Blu 60 Slate	² Enviro Klean® Safety Klean (1:2) or (1:3) OR ¹ Sure Klean® Light Duty Concrete Cleaner (1:2) or (1:3) OR ² Sure Klean® Vana Trol® (1:6) or (1:8) OR ² Sure Klean® 600 (1:6) or (1:8) OR ² Sure Klean® Heavy Duty Concrete Cleaner (1:4) or (1:6)	
"Shale Grey" Blu 60 HD ² Slate		
"Onyx Black" Blu 60 Smooth		
"Shale Grey" Blu 60 HD ² Smooth		
"Beige Cream" Diamond HD ² Granitex	Enviro Klean® Safety Klean (1:2) or (1:3) OR Sure Klean® Light Duty Concrete Cleaner (1:2) or (1:3) OR Sure Klean® Vana Trol® (1:6) or (1:8) OR Sure Klean® 600 (1:6) or (1:8) OR Sure Klean® Heavy Duty Concrete Cleaner (1:4) or (1:6)	
"Shale Grey" Diamond HD ² Granitex		

NOTE: "1" indicates the recommended first choice and "2" indicates the recommended second choice.

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 concrete pavers were cleaned with Sure Klean® Light Duty Concrete Cleaner diluted with three parts water. After the samples had dried for at least 24 hours, PROSOCO® Saltguard® WB, PROSOCO® SL100 Water Repellent, Sure Klean® Weather Seal Natural Stone Treatment WB, Sure Klean® Weather Seal Sand Joint Stabilizer, and Sure Klean® Weather Seal Satin Guard WB were applied in a brushing application in accordance with the current PROSOCO, Inc. Product Data Sheet instructions. The treatments were 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 samples.

The following scale was used for reporting results of both categories:
0 – No enhancement compared to untreated control
1 – Slight enhancement compared to untreated control
2 – Moderate enhancement compared to untreated control
3 – Significant enhancement compared to untreated control

TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement

“Champlain Grey” Blu 60 Slate	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	0	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	0
Sure Klean® Weather Seal Satin Guard WB	1	1

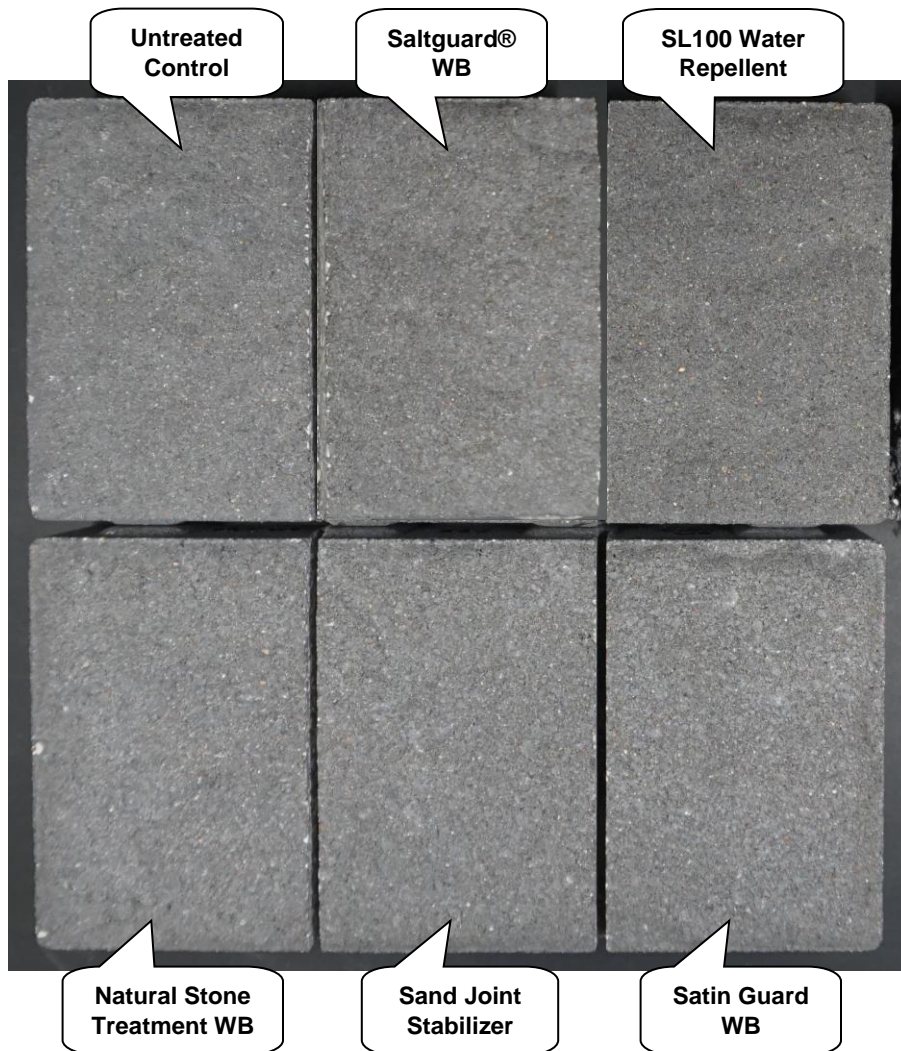
“Champlain Grey” Blu 60 Slate with Treatments



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

"Onyx Black" Blu 60 Slate	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	1	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	0
Sure Klean® Weather Seal Satin Guard WB	1	1

"Onyx Black" Blu 60 Slate with Treatments



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

"Chestnut Brown" Blu 60 HD² Slate	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	0	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	0
Sure Klean® Weather Seal Satin Guard WB	1	2

"Chestnut Brown" Blu 60 HD² Slate with Treatments



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

"Shale Grey" Blu 60 HD² Slate	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	1	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	0
Sure Klean® Weather Seal Satin Guard WB	1	1

"Shale Grey" Blu 60 HD² Slate with Treatments



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

"Beige Cream" Blu 60 Smooth	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	1	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	1
Sure Klean® Weather Seal Satin Guard WB	1	2

"Beige Cream" Blu 60 Smooth with Treatments



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

"Onyx Black" Blu 60 Smooth	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	0	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	0
Sure Klean® Weather Seal Satin Guard WB	1	2

"Onyx Black" Blu 60 Smooth with Treatments



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

"Greyed Nickel" Blu 60 HD² Smooth	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	1	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	0
Sure Klean® Weather Seal Satin Guard WB	1	1

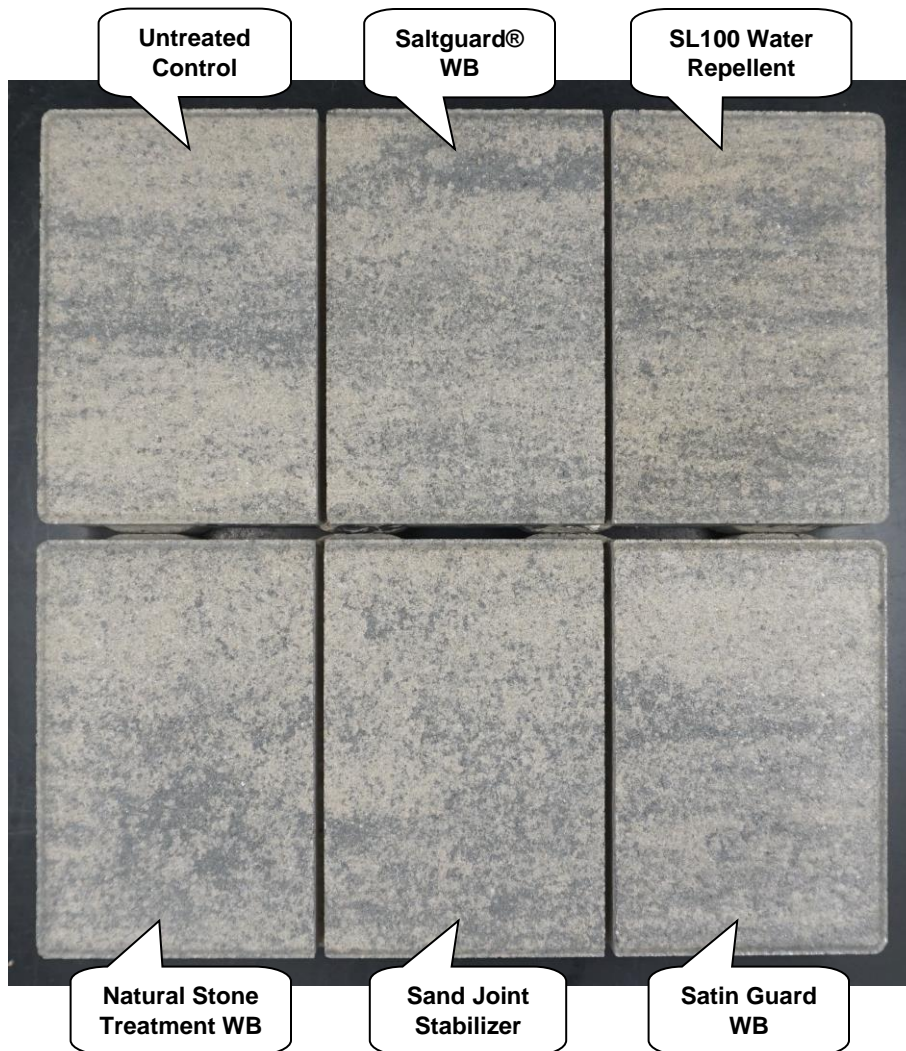
"Greyed Nickel" Blu 60 HD² Smooth with Treatments



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

"Shale Grey" Blu 60 HD ² Smooth	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	0	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	0
Sure Klean® Weather Seal Satin Guard WB	1	1

"Shale Grey" Blu 60 HD² Smooth with Treatments



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

"Beige Cream" Diamond HD ² Granitex	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	0	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	0
Sure Klean® Weather Seal Satin Guard WB	1	2

"Beige Cream" Diamond HD² Granitex with Treatments



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

"Shale Grey" Diamond HD ² Granitex	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	0	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	0
Sure Klean® Weather Seal Satin Guard WB	1	2

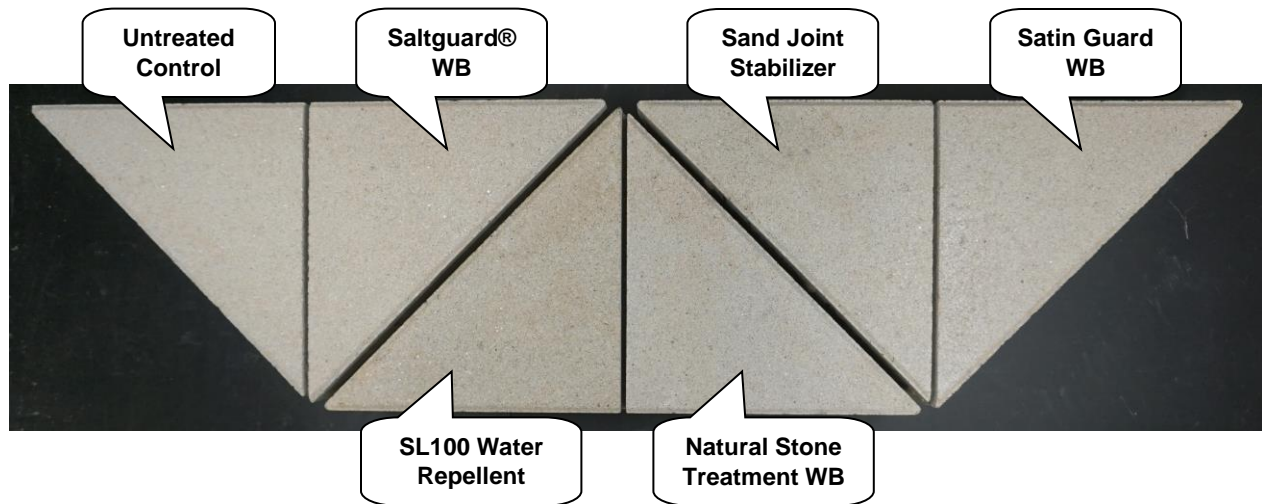
"Shale Grey" Diamond HD² Granitex with Treatments



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

"Beige Cream" Industria HD² Polished	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	0	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	1
Sure Klean® Weather Seal Satin Guard WB	1	2

"Beige Cream" Industria HD² Polished with Treatments



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

"Shale Grey" Industria HD ² Polished	Color Enhancement	Sheen Enhancement
PROSOCO® Saltguard® WB	0	0
PROSOCO® SL100 Water Repellent	1	0
Sure Klean® Weather Seal Natural Stone Treatment WB	0	0
Sure Klean® Weather Seal Sand Joint Stabilizer	1	1
Sure Klean® Weather Seal Satin Guard WB	1	2

"Shale Grey" Industria HD² Polished with Treatments



CONCLUSIONS: Color and Sheen Enhancement

The treatments evaluated provided a range of color enhancement results, from no change in appearance to a moderate change depending on the treatment.

Sure Klean® Weather Seal Sand Joint Stabilizer provided a slight amount of sheen enhancement to the “Beige Cream” Blu 60 Smooth, “Beige Cream” Industria HD2 Polished, and “Shale Grey” Industria HD2 Polished concrete pavers. Sure Klean® Weather Seal Satin Guard WB provided a slight to moderate amount of sheen enhancement to all of the submitted samples. None of the other treatments provided any sheen enhancement to any of the submitted samples.

Please refer to pages 19-33 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 concrete paver submitted by Techo-Bloc, Saint-Hubert, Quebec are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Color and Sheen Enhancement
"Champlain Grey" Blu 60 Slate	Please refer to pages 19-33 of the report for individual recommendations based on the desired result.
"Onyx Black" Blu 60 Slate	
"Chestnut Brown" Blu 60 HD ² Slate	
"Shale Grey" Blu 60 HD ² Slate	
"Beige Cream" Blu 60 Smooth	
"Onyx Black" Blu 60 Smooth	
"Greyed Nickel" Blu 60 HD ² Smooth	
"Shale Grey" Blu 60 HD ² Smooth	
"Beige Cream" Diamond HD ² Granitex	
"Shale Grey" Diamond HD ² Granitex	
"Beige Cream" Industria HD ² Polished	
"Shale Grey" Industria HD ² Polished	

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

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: 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:

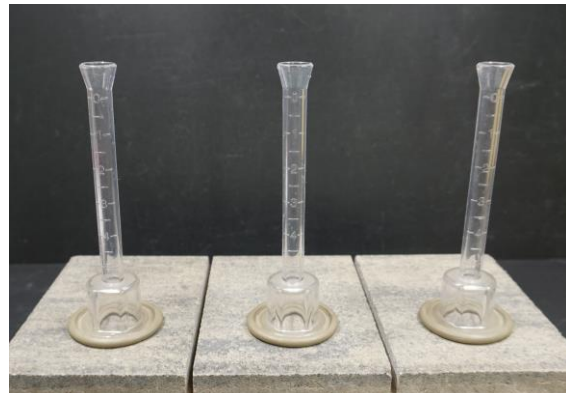
$$5.0 \text{ mL} \times 20\% = \mathbf{1.0 \text{ mL}}$$

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

“Champlain Grey” Blu 60 Slate	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>

“Onyx Black” Blu 60 Slate	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>

“Chestnut Brown” Blu 60 HD² Slate	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>

“Shale Grey” Blu 60 HD² Slate	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-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

“Beige Cream” Blu 60 Smooth	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>

“Onyx Black” Blu 60 Smooth	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>

“Greyed Nickel” Blu 60 HD² Smooth	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>

“Shale Grey” Blu 60 HD² Smooth	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-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

“Beige Cream” Diamond HD² Granitex	Results in mL loss	<u>Ranking</u>
Untreated Control	-1.5	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>

“Shale Grey” Diamond HD² Granitex	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>

“Beige Cream” Industria HD² Polished	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-0.0	<u>AA</u>

“Shale Grey” Industria HD² Polished	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
PROSOCO® Saltguard® WB	-0.0	<u>AA</u>
PROSOCO® SL100 Water Repellent	-0.0	<u>AA</u>
Sure Klean® Weather Seal Natural Stone Treatment WB	-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 samples.

Although some 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 concrete paver submitted by Techo-Bloc, Saint-Hubert, Quebec are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Water Repellency
"Champlain Grey" Blu 60 Slate	PROSOCO® Saltguard® WB OR PROSOCO® SL100 Water Repellent OR Sure Klean® Weather Seal Natural Stone Treatment WB
"Onyx Black" Blu 60 Slate	
"Chestnut Brown" Blu 60 HD ² Slate	
"Shale Grey" Blu 60 HD ² Slate	
"Beige Cream" Blu 60 Smooth	
"Onyx Black" Blu 60 Smooth	
"Greyed Nickel" Blu 60 HD ² Smooth	
"Shale Grey" Blu 60 HD ² Smooth	
"Beige Cream" Diamond HD ² Granitex	
"Shale Grey" Diamond HD ² Granitex	
"Beige Cream" Industria HD ² Polished	
"Shale Grey" Industria HD ² Polished	

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.



J. Lucas Comadoll
 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.