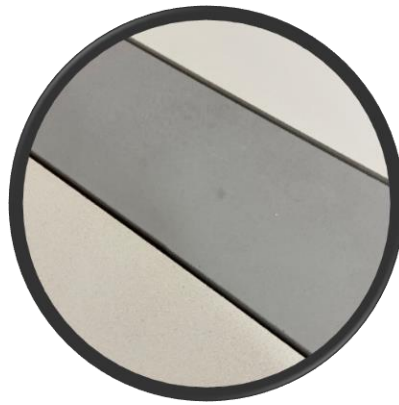




*Pallet Tag Program
Laboratory Report*

Envel™
South Bend, IN



Project No. 2005-03 PTP

Prepared For:



PROSOCO

Prepared By:

J. Lucas Comadoll

J. Lucas Comadoll
Project Testing Technician
AMT Laboratories

June 2020



LABORATORY REPORT

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

FOR: Ryon Macey, Envel™
cc: Craig Heaney, Envel™
Dave Sommer, Modfacade
Parker Sloan, PROSOCO, Inc.
Jake Boyer, PROSOCO, Inc.
Al Morris, PROSOCO, Inc.

SUBJECT: Envel™
South Bend, IN
Pallet Tag Evaluation

DATE: June 18, 2020
PROJECT: 2005-03 PTP

SAMPLES SUBMITTED:

Sample	Name	Color	Size
(7) Concrete Façade	"Aspen Bark" – Not Blasted	White	10" x 4" x 0.5"
(7) Concrete Façade	"Aspen Bark" – Blasted	White	10" x 4" x 0.5"
(7) Concrete Façade	"Granite Peak" – Not Blasted	Gray	10" x 4" x 0.5"
(7) Concrete Façade	"Granite Peak" – Blasted	Gray	10" x 4" x 0.5"

SUBMITTED BY: Ryon Macey
Envel™
2508 South Main Street
South Bend, IN 46614

PURPOSE OF TEST:

- To evaluate the color and sheen enhancement characteristics of the requested products on the submitted samples.
- To determine the most appropriate water repellent(s) for the submitted samples.
- To determine the effectiveness of the requested products in preventing the penetration of, and simplifying the removal of, graffiti staining on the submitted samples.



PRODUCTS EVALUATED:

Color and Sheen Enhancement/Water Repellency	Dilution:
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	N/A*
PROSOCO T2343 Anti-Graffiti Treatment	N/A*
PROSOCO T2536 Anti-Graffiti Treatment 15 WB	N/A*
Sure Klean® Weather Seal Siloxane PD	N/A*
Cathedral Stone® Products, Inc. CSP R97 Water Repellent	N/A*
Guard Industrie® ProtectGuard® Wet Look	N/A*

Graffiti Resistance	Dilution:
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	N/A*
PROSOCO T2343 Anti-Graffiti Treatment	N/A*
PROSOCO T2536 Anti-Graffiti Treatment 15 WB	N/A*

Graffiti Removal	Dilution:
Defacer Eraser® Graffiti Remover	N/A*
Enviro Klean® SafStrip® 8	N/A*

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

SAMPLE PREPARATION: Treatment Application

Prior to treatment application, the submitted samples were rinsed using masonry washing equipment generating approximately 700-800 psi with a water flow rate of 8 gallons per minute delivered through a 45-degree fan spray tip. After the samples were allowed to dry for at least 24 hours, the PROSOCO treatments were applied in a single brushing application in accordance with the current PROSOCO, Inc. Product Data Sheet instructions.

Due to the significant color variation existing among the samples and because we did not visually observe the surface of the samples prior to the customer treating them with Cathedral Stone® Products, Inc. CSP R97 Water Repellent or Guard Industrie® ProtectGuard® Wet Look, color and sheen enhancement were not evaluated on those two treatments.

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

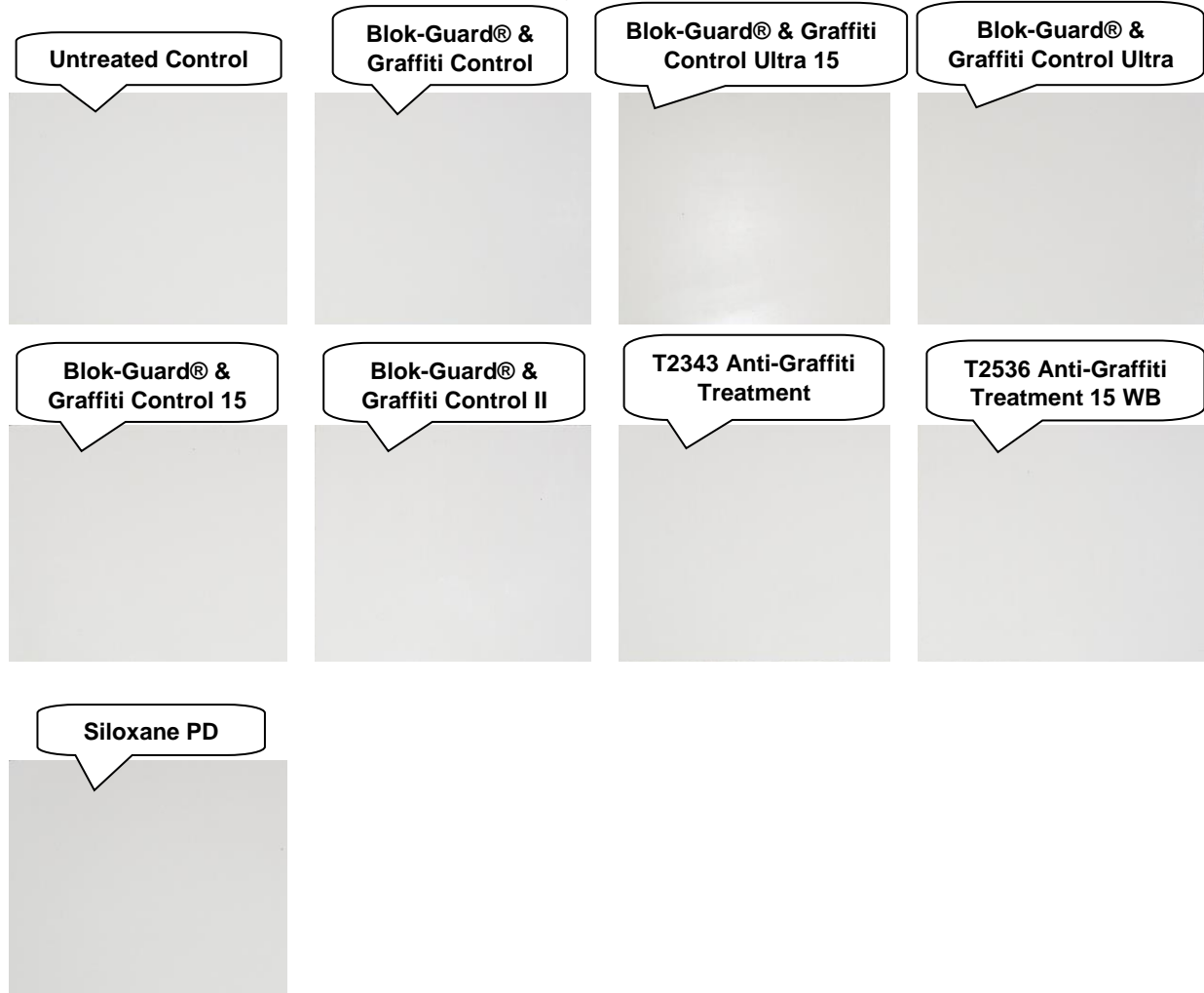
NOTE: A color variation is visible among the submitted samples. This is likely from the submitted samples being manufactured on multiple dates.

TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement

“Aspen Bark” Concrete Façade – Not Blasted	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	0	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15	1	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	1*	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	0	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	0	0
PROSOCO T2343 Anti-Graffiti Treatment	0	0
PROSOCO T2536 Anti-Graffiti Treatment 15 WB	0	0
Sure Klean® Weather Seal Siloxane PD	0	0

***NOTE: Very slight change compared to untreated control.**

“Aspen Bark” Concrete Façade – Not Blasted with Treatments



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

“Aspen Bark” Concrete Façade – Blasted	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1*	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15	1	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	1*	0
PROSOCO T2343 Anti-Graffiti Treatment	1*	0
PROSOCO T2536 Anti-Graffiti Treatment 15 WB	1*	0
Sure Klean® Weather Seal Siloxane PD	0	0

***NOTE: Very slight change compared to untreated control.**

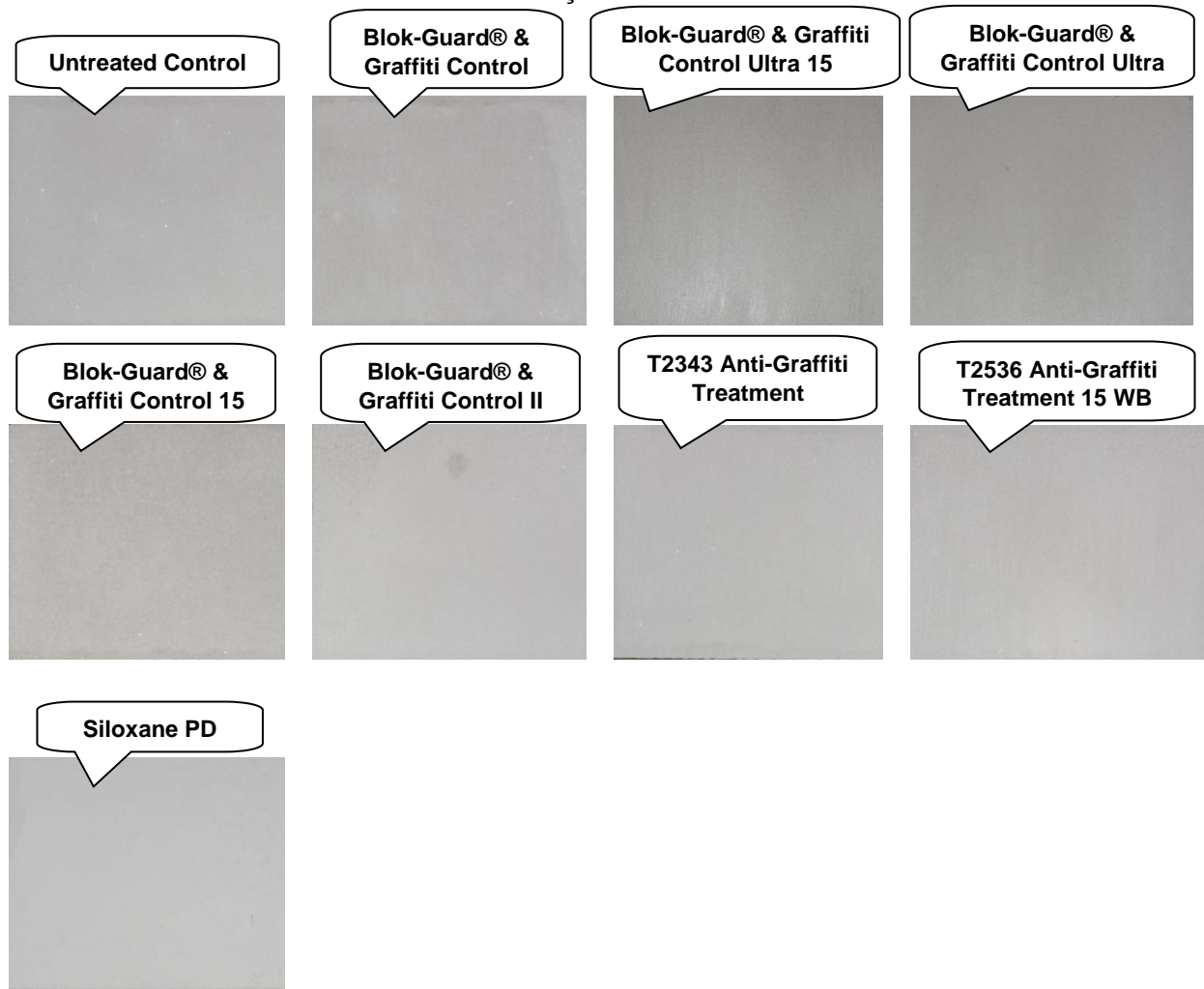
“Aspen Bark” Concrete Façade – Blasted with Treatments



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

“Granite Peak” Concrete Façade – Not Blasted	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15	2	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	1	0
PROSOCO T2343 Anti-Graffiti Treatment	1	0
PROSOCO T2536 Anti-Graffiti Treatment 15 WB	1	0
Sure Klean® Weather Seal Siloxane PD	0	0

“Granite Peak” Concrete Façade – Not Blasted with Treatments

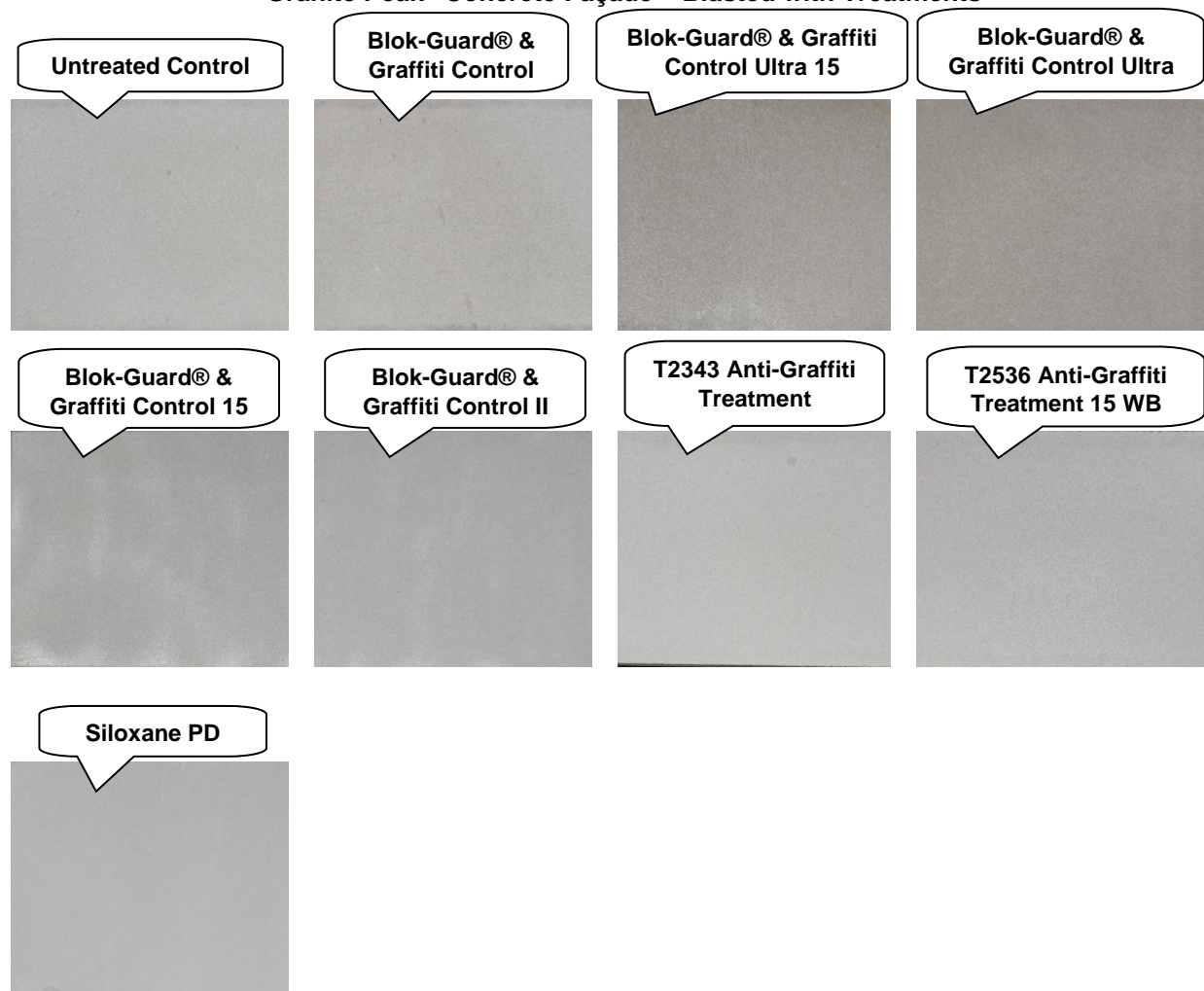


TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)

“Granite Peak” Concrete Façade – Blasted	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	2	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	1	0
PROSOCO T2343 Anti-Graffiti Treatment	1*	0
PROSOCO T2536 Anti-Graffiti Treatment 15 WB	1	0
Sure Klean® Weather Seal Siloxane PD	0	0

***NOTE: Very slight change compared to untreated control.**

“Granite Peak” Concrete Façade – Blasted with Treatments



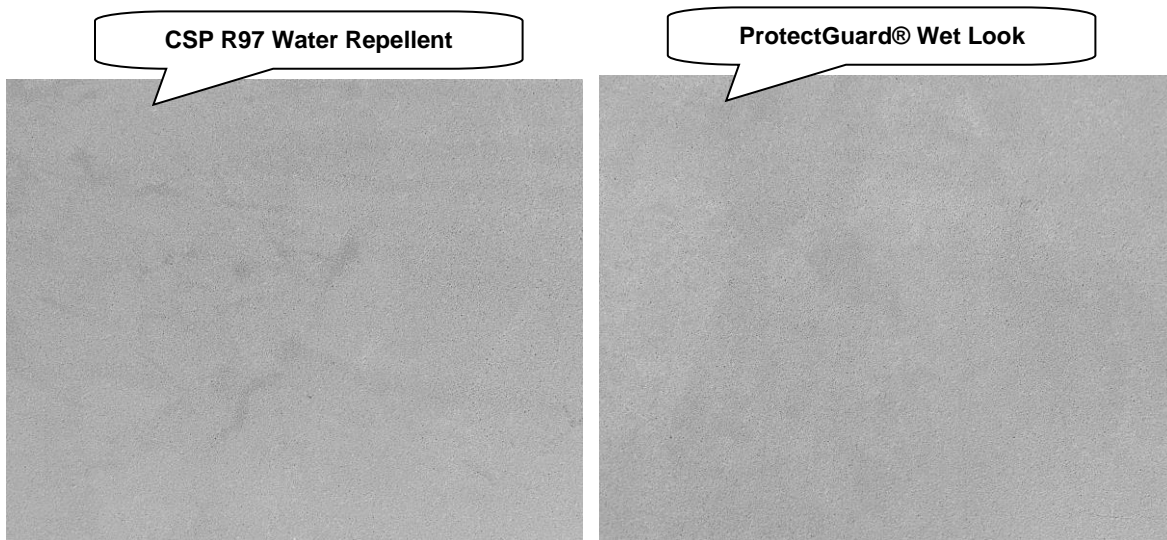
NOTE: The color variation seen on the samples treated with Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 and Blok-Guard® & Graffiti Control II was present prior to treatment.

CONCLUSIONS: Color and Sheen Enhancement

The treatments evaluated provided a range of color and sheen enhancement results, from no change to a moderate change depending on the treatment and the sample. Color enhancement was often observed with all of the treatments except Sure Klean® Weather Seal Siloxane PD. Sheen enhancement was often observed with Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15.

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.

NOTE: Based on the pretreated samples submitted, Cathedral Stone® Products, Inc. CSP R97 Water Repellent and Guard Industrie® ProtectGuard® Wet Look appeared to leave some of the surfaces unevenly streaked and darkened, respectively. However, this color variation could have been present prior to treatment.



TEST METHODS: Protective Water Repellents

Water Absorption Tube Test: Vertical 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 98-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:

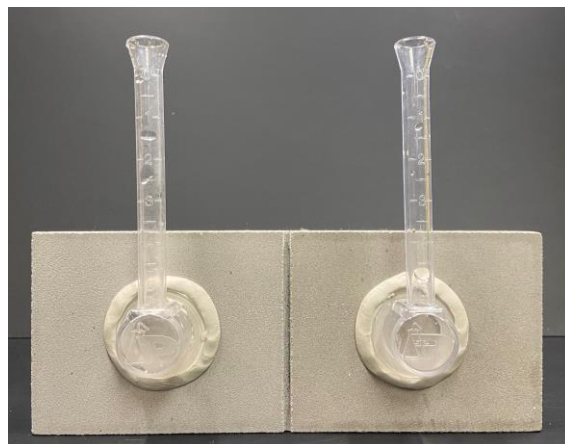
$$5.0 \text{ mL} \times 20\% = \mathbf{1.0 \text{ mL}}$$

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: Protective Water Repellents

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

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

“Aspen Bark” Concrete Façade – Not Blasted	Results in mL loss	Ranking
Untreated Control	-0.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	AA
PROSOCO T2343 Anti-Graffiti Treatment	-0.0	AA
PROSOCO T2536 Anti-Graffiti Treatment 15 WB	-0.0	AA
Sure Klean® Weather Seal Siloxane PD	-0.0	AA
Cathedral Stone® Products, Inc. CSP R97 Water Repellent	-0.0	AA
Guard Industrie® ProtectGuard® Wet Look	-0.0	AA

“Aspen Bark” Concrete Façade – Blasted	Results in mL loss	Ranking
Untreated Control	-0.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	AA
PROSOCO T2343 Anti-Graffiti Treatment	-0.0	AA
PROSOCO T2536 Anti-Graffiti Treatment 15 WB	-0.0	AA
Sure Klean® Weather Seal Siloxane PD	-0.0	AA
Cathedral Stone® Products, Inc. CSP R97 Water Repellent	-0.0	AA
Guard Industrie® ProtectGuard® Wet Look	-0.0	AA

TEST RESULTS: Protective Water Repellents (cont.)

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

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

“Granite Peak” Concrete Façade – Not Blasted	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
PROSOCO T2343 Anti-Graffiti Treatment	-0.0	<u>AA</u>
PROSOCO T2536 Anti-Graffiti Treatment 15 WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Cathedral Stone® Products, Inc. CSP R97 Water Repellent	-0.0	<u>AA</u>
Guard Industrie® ProtectGuard® Wet Look	-0.0	<u>AA</u>

“Granite Peak” Concrete Façade – Blasted	Results in mL loss	<u>Ranking</u>
Untreated Control	-0.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	-0.0	<u>AA</u>
PROSOCO T2343 Anti-Graffiti Treatment	-0.0	<u>AA</u>
PROSOCO T2536 Anti-Graffiti Treatment 15 WB	-0.0	<u>AA</u>
Sure Klean® Weather Seal Siloxane PD	-0.0	<u>AA</u>
Cathedral Stone® Products, Inc. CSP R97 Water Repellent	-0.0	<u>AA</u>
Guard Industrie® ProtectGuard® Wet Look	-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.

On-site testing is always recommended to ensure the desired result.

RECOMMENDATIONS: Water Repellency

Recommendations for water repellency for each concrete facade submitted by Envel™, South Bend, IN are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Water Repellency
"Aspen Bark" Concrete Façade – Not Blasted	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15 OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra
"Aspen Bark" Concrete Façade – Blasted	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR PROSOCO T2343 Anti-Graffiti Treatment OR PROSOCO T2536 Anti-Graffiti Treatment 15 WB OR Sure Klean® Weather Seal Siloxane PD OR Cathedral Stone® Products, Inc. CSP R97 Water Repellent OR Guard Industrie® ProtectGuard® Wet Look
"Granite Peak" Concrete Façade – Not Blasted	PROSOCO T2343 Anti-Graffiti Treatment OR PROSOCO T2536 Anti-Graffiti Treatment 15 WB OR Sure Klean® Weather Seal Siloxane PD OR Cathedral Stone® Products, Inc. CSP R97 Water Repellent OR Guard Industrie® ProtectGuard® Wet Look
"Granite Peak" Concrete Façade – Blasted	Cathedral Stone® Products, Inc. CSP R97 Water Repellent OR Guard Industrie® ProtectGuard® Wet Look

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

TEST METHODS: Graffiti Resistance

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

Spray paint and markers were applied as graffiti agents to the untreated and treated surfaces five days after application of the graffiti resistant products. Removal of the graffiti agents was attempted 24 hours after application of the graffiti agents, using Enviro Klean® SafStrip® 8 and Defacer Eraser® Graffiti Remover.

Chemical cleaners were evaluated using the following procedure:

1. Apply the product to a dry surface, soiled with graffiti.
2. Allow appropriate dwell time:
 - SafStrip® 8..... 30 minutes
 - Graffiti Remover 5 minutes
3. Rinse thoroughly until water runs clear. *
4. Allow the surface to dry thoroughly and visually examine to determine effectiveness.

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

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance

“Aspen Bark” Concrete Façade – Not Blasted					
Untreated Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	50%	50%	50%	40%	48%
Graffiti Remover	60%	50%	50%	40%	50%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	60%	80%	70%	60%	68%
Graffiti Remover	80%	80%	70%	60%	73%
Blok-Guard® & Graffiti Control Ultra 15	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	80%	98%	90%	98%	92%
Graffiti Remover	98%	98%	90%	98%	96%
Blok-Guard® & Graffiti Control Ultra	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	95%	80%	80%	81%
Graffiti Remover	80%	95%	80%	80%	84%
Blok-Guard® & Graffiti Control 15	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	98%	85%	98%	88%
Graffiti Remover	90%	98%	85%	80%	88%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	95%	90%	90%	91%
Graffiti Remover	85%	90%	50%	60%	71%
T2343 Anti-Graffiti Treatment	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	70%	60%	60%	65%
Graffiti Remover	70%	70%	60%	60%	65%
T2536 Anti-Graffiti Treatment 15 WB	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	98%	90%	98%	89%
Graffiti Remover	100%	98%	80%	98%	94%

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Aspen Bark” Concrete Façade – Blasted					
Untreated Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	40%	50%	50%	40%	45%
Graffiti Remover	50%	50%	50%	40%	48%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	80%	70%	80%	75%
Graffiti Remover	70%	80%	70%	60%	70%
Blok-Guard® & Graffiti Control Ultra 15	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	100%	90%	98%	90%
Graffiti Remover	98%	100%	90%	98%	97%
Blok-Guard® & Graffiti Control Ultra	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	98%	80%	98%	87%
Graffiti Remover	98%	98%	80%	98%	94%
Blok-Guard® & Graffiti Control 15	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	98%	80%	98%	87%
Graffiti Remover	98%	98%	80%	98%	94%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	60%	80%	50%	60%	63%
Graffiti Remover	70%	90%	50%	60%	68%
T2343 Anti-Graffiti Treatment	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	80%	60%	50%	50%	60%
Graffiti Remover	80%	60%	50%	50%	60%
T2536 Anti-Graffiti Treatment 15 WB	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	98%	80%	90%	85%
Graffiti Remover	100%	98%	80%	90%	92%

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

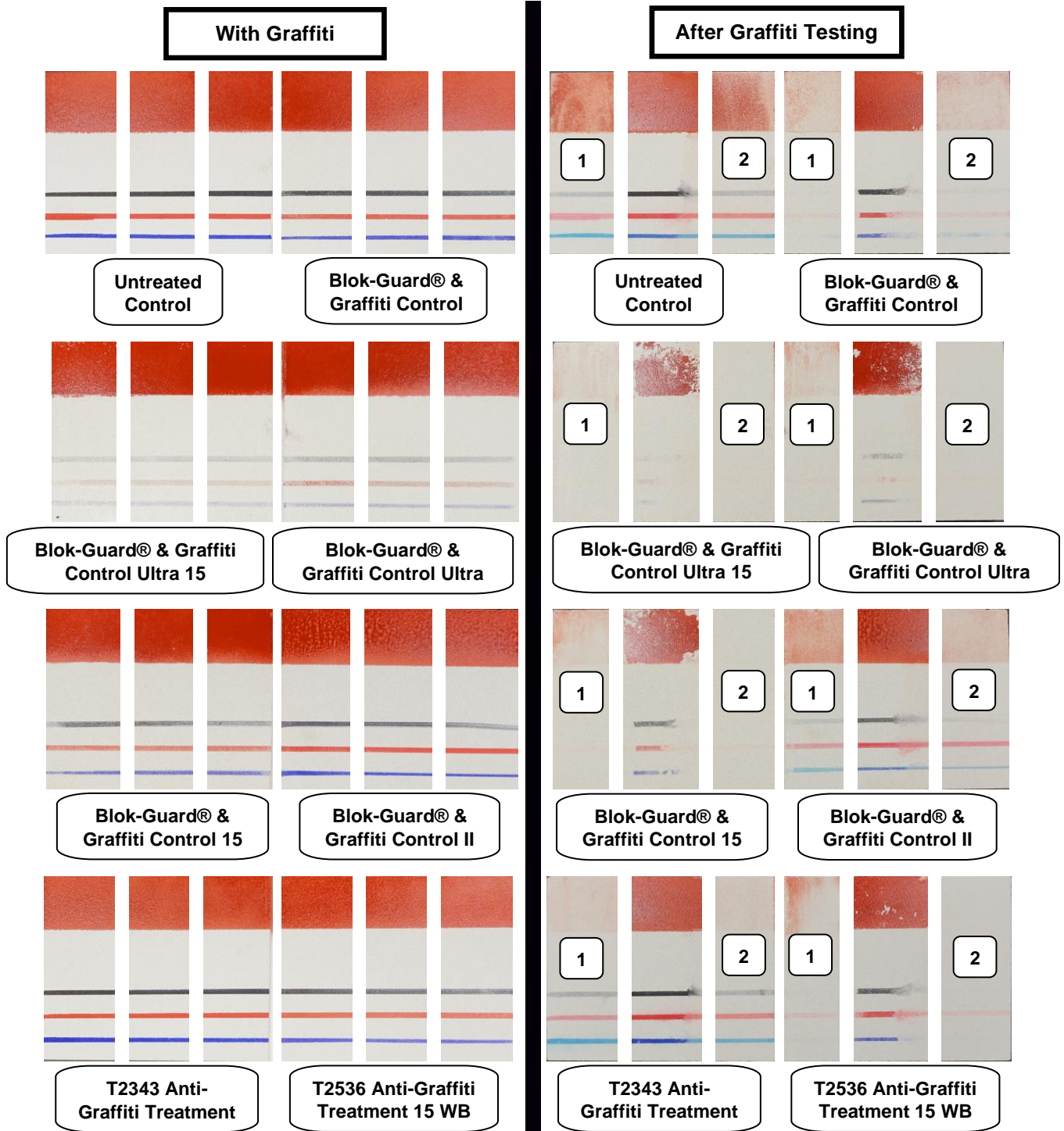
“Granite Peak” Concrete Façade – Not Blasted					
Untreated Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	60%	80%	60%	50%	63%
Graffiti Remover	70%	90%	60%	60%	70%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	60%	98%	90%	80%	82%
Graffiti Remover	70%	98%	80%	90%	85%
Blok-Guard® & Graffiti Control Ultra 15	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	98%	100%	98%	98%	99%
Graffiti Remover	98%	100%	98%	98%	99%
Blok-Guard® & Graffiti Control Ultra	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	90%	100%	90%	98%	95%
Graffiti Remover	100%	100%	90%	98%	97%
Blok-Guard® & Graffiti Control 15	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	70%	100%	95%	90%	89%
Graffiti Remover	80%	100%	90%	98%	92%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	85%	95%	90%	80%	88%
Graffiti Remover	90%	100%	70%	90%	88%
T2343 Anti-Graffiti Treatment	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	80%	80%	70%	70%	75%
Graffiti Remover	90%	90%	70%	80%	83%
T2536 Anti-Graffiti Treatment 15 WB	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	90%	98%	98%	98%	96%
Graffiti Remover	100%	100%	98%	100%	100%

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Granite Peak” Concrete Façade – Blasted					
Untreated Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	50%	70%	60%	50%	58%
Graffiti Remover	50%	80%	60%	60%	63%
Blok-Guard® & Graffiti Control	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	60%	90%	80%	80%	78%
Graffiti Remover	60%	90%	70%	80%	75%
Blok-Guard® & Graffiti Control Ultra 15	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	90%	100%	98%	98%	97%
Graffiti Remover	100%	100%	98%	98%	99%
Blok-Guard® & Graffiti Control Ultra	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	80%	90%	80%	90%	85%
Graffiti Remover	90%	90%	80%	90%	88%
Blok-Guard® & Graffiti Control 15	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	80%	100%	90%	100%	93%
Graffiti Remover	90%	100%	90%	100%	95%
Blok-Guard® & Graffiti Control II	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	90%	100%	90%	98%	95%
Graffiti Remover	95%	100%	90%	95%	95%
T2343 Anti-Graffiti Treatment	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	80%	80%	60%	50%	68%
Graffiti Remover	80%	80%	60%	60%	70%
T2536 Anti-Graffiti Treatment 15 WB	Red Paint	Black Marker	Red Marker	Blue Marker	% Avg. Removal
SafStrip® 8	90%	100%	90%	98%	95%
Graffiti Remover	100%	100%	90%	98%	97%

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

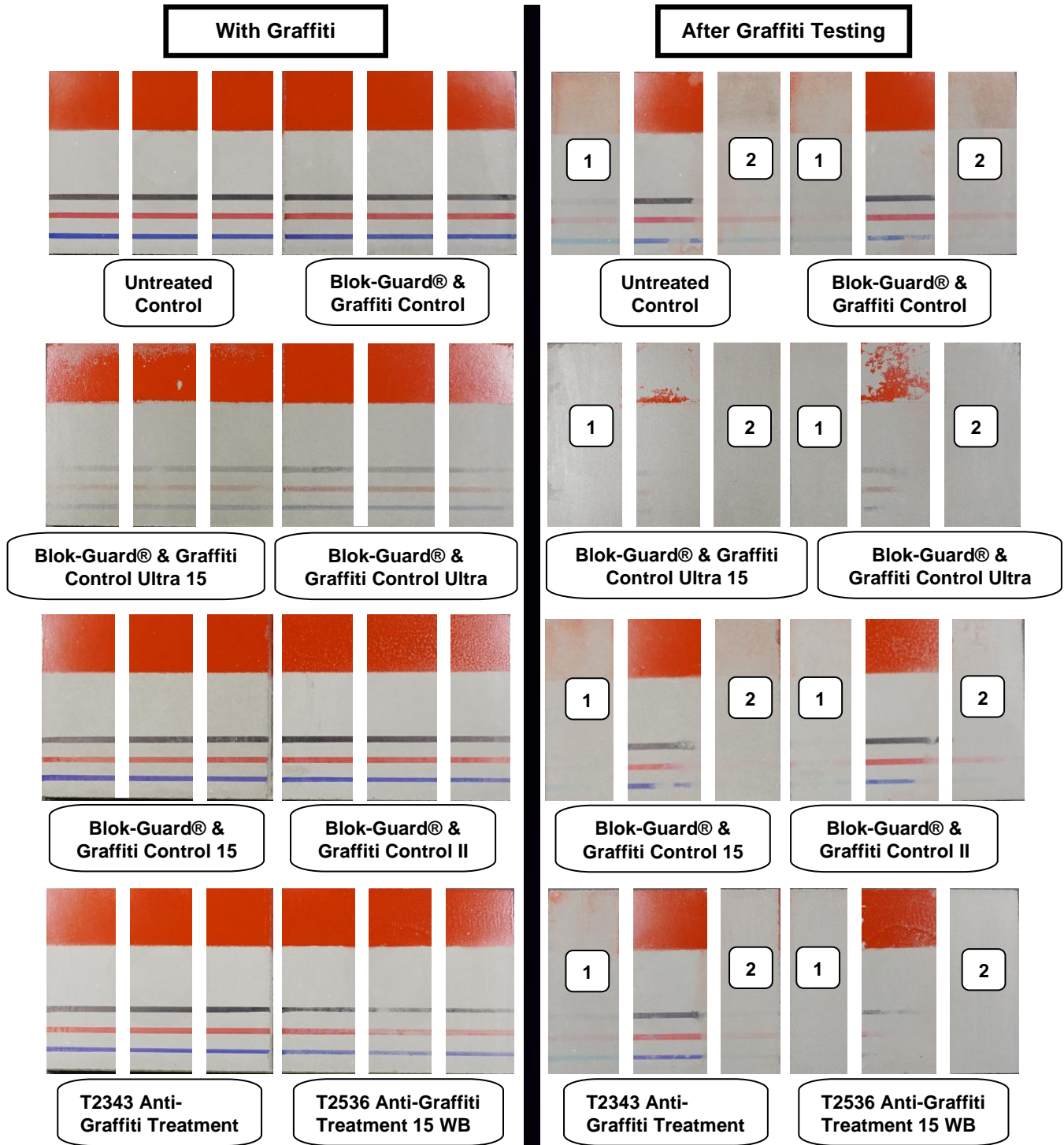
“Aspen Bark” Concrete Façade – Blasted



KEY
 1 = SafStrip® 8
 2 = Graffiti Remover

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Granite Peak” Concrete Façade – Not Blasted



KEY
1 = SafStrip® 8
2 = Graffiti Remover

CONCLUSIONS: Graffiti Resistance

Based on the laboratory evaluations, graffiti removal was improved when the submitted samples were treated with any of the graffiti resistant treatments, although Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra, and Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 were the most effective solvent-based treatments and T2536 Anti-Graffiti Treatment 15 WB was the most effective water-based treatments on the samples.

Enviro Klean® SafStrip® 8 and Defacer Eraser® Graffiti Remover were both effective when removing graffiti from the submitted samples, although Defacer Eraser® Graffiti Remover was the most effective.

On-site testing is always recommended to ensure the desired result.

RECOMMENDATIONS: Graffiti Control

Recommendations for graffiti control for each concrete façade submitted by Envel™, South Bend, IN are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective on average for providing graffiti repellency and the product that was most effective on average at removing the graffiti on all types submitted.

Sample	Graffiti Repellents	Graffiti Removers
“Aspen Bark” Concrete Façade – Not Blasted	¹ Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra 15 (Recommended if color and sheen enhancement is desired) OR ¹ PROSOCO T2536 Anti-Graffiti Treatment 15 WB OR ² Sure Klean® Weather Seal Blok-Guard® & Graffiti Control Ultra (Recommended if color enhancement is desired) OR ² Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 (Recommended if color enhancement is desired)	¹ Defacer Eraser® Graffiti Remover OR ² Enviro Klean® SafStrip® 8
“Aspen Bark” Concrete Façade – Blasted		
“Granite Peak” Concrete Façade – Not Blasted		
“Granite Peak” Concrete Façade – Blasted		

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

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.



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.