



*Pallet Tag Program
Laboratory Report*

Mutual Materials – Clay Brick
Bellevue, WA



Project No. 2309-02 PTP

Prepared For:



PROSOCO

Prepared By:

J. Lucas Comadoll

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Project Testing Technician
AMT Laboratories

November 2023



LABORATORY REPORT

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

FOR: Matt Herz, PROSOCO, Inc.
cc: Jake Boyer, PROSOCO, Inc.
Al Morris, PROSOCO, Inc.

SUBJECT: Mutual Materials – Clay Brick
Bellevue, WA
Pallet Tag Evaluation

DATE: November 13, 2023
PROJECT: 2309-02 PTP

SAMPLES SUBMITTED: 17 types of clay brick

Type	Finish	Label	Name/Color	Integral Water Repellent	Size
(10) Brick	Mission	ASP	Aspen	Yes	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Smooth	CAS	Cascade Spice	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Mission	EBO	Ebony	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Mission	CHN	Chestnut	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Mission	HMI	Harbor Mist	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Smooth	MUU	Mutual Used	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Smooth	ASH	Ashland	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Mission	COC	Coral Creek	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Mission	SEC	Seattle Cream	Yes	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Smooth	DEW	Desert White	Yes	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Smooth	SHE	Sheffield	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Mission	INC	Inca	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Mission	FOB	Forest Blend	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Smooth	COV	Covington	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Mission	REG	Redondo Gray	No	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Smooth	WHI	White	Yes	2 1/2" x 3 3/4" x 7 1/2"
(10) Brick	Smooth	WID	Windsor	No	2 1/2" x 3 3/4" x 7 1/2"

SUBMITTED BY: Mutual Materials
605 119th Ave NE
Bellevue, WA 98005

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.
- To determine the effectiveness of appropriate PROSOCO, Inc. products in preventing the penetration of, and simplifying the removal of, graffiti staining on the submitted samples.

NOTE: The “Chestnut – Mission”, “Harbor Mist – Mission”, “Mutual Used – Smooth”, “Ashland – Smooth”, “Coral Creek – Mission”, “Sheffield – Smooth”, “Forest Blend – Mission”, “Covington – Smooth”, and “Windsor – Smooth” Brick exhibited a variation in color or surface finish upon arrival prior to any testing (as shown in the photograph below).

Variation in Color or Surface Finish Present as Submitted



PRODUCTS EVALUATED:

New Construction Cleaning	Dilution:
Sure Klean® 600	1:6, 1:8
Sure Klean® Vana Trol®	1:6, 1:8
Enviro Klean® Safety Klean	1:2, 1:3

Color and Sheen Enhancement/Water Repellency	Dilution:
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	N/A*
PROSOCO® Saltguard®	N/A*
PROSOCO® Silane 40	N/A*

Graffiti Resistance	Dilution:
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	N/A*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	N/A*

Graffiti Removal	Dilution:
Enviro Klean® SafStrip®	N/A*
Sure Klean® Graffiti Remover	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® 600, Sure Klean® Vana Trol®, 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 clay brick.

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:

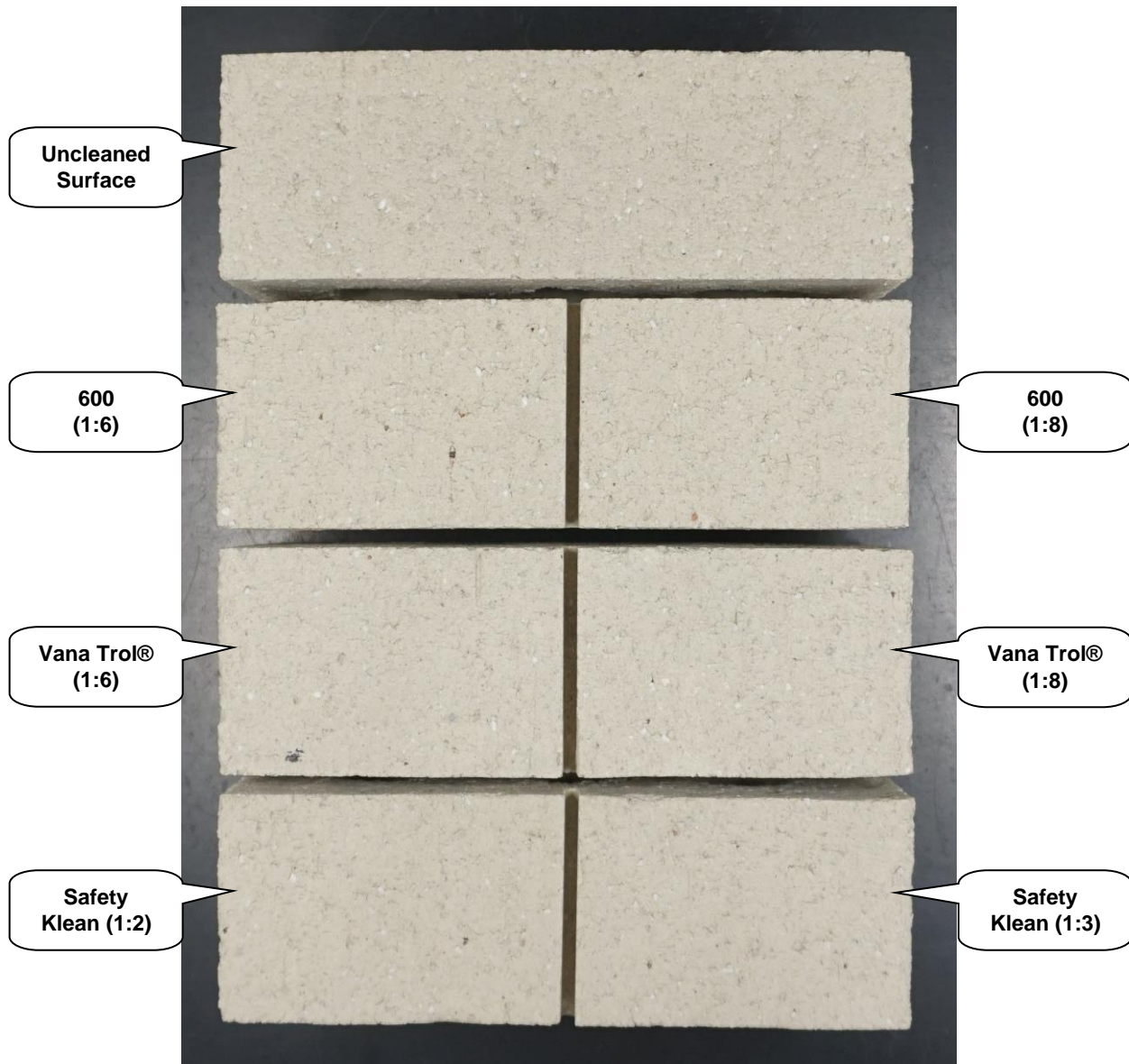
1. Pre-wet the surface and apply diluted cleaning solution according to PROSOCO, Inc. Product Data Sheet.
2. Allow for an appropriate dwell time and periodically agitate:
 - 6005 minutes
 - Vana Trol®.....5 minutes
 - Safety Klean.....5 minutes
3. Reapply cleaning solution; do not let cleaner dry into 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: "Aspen – Mission" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

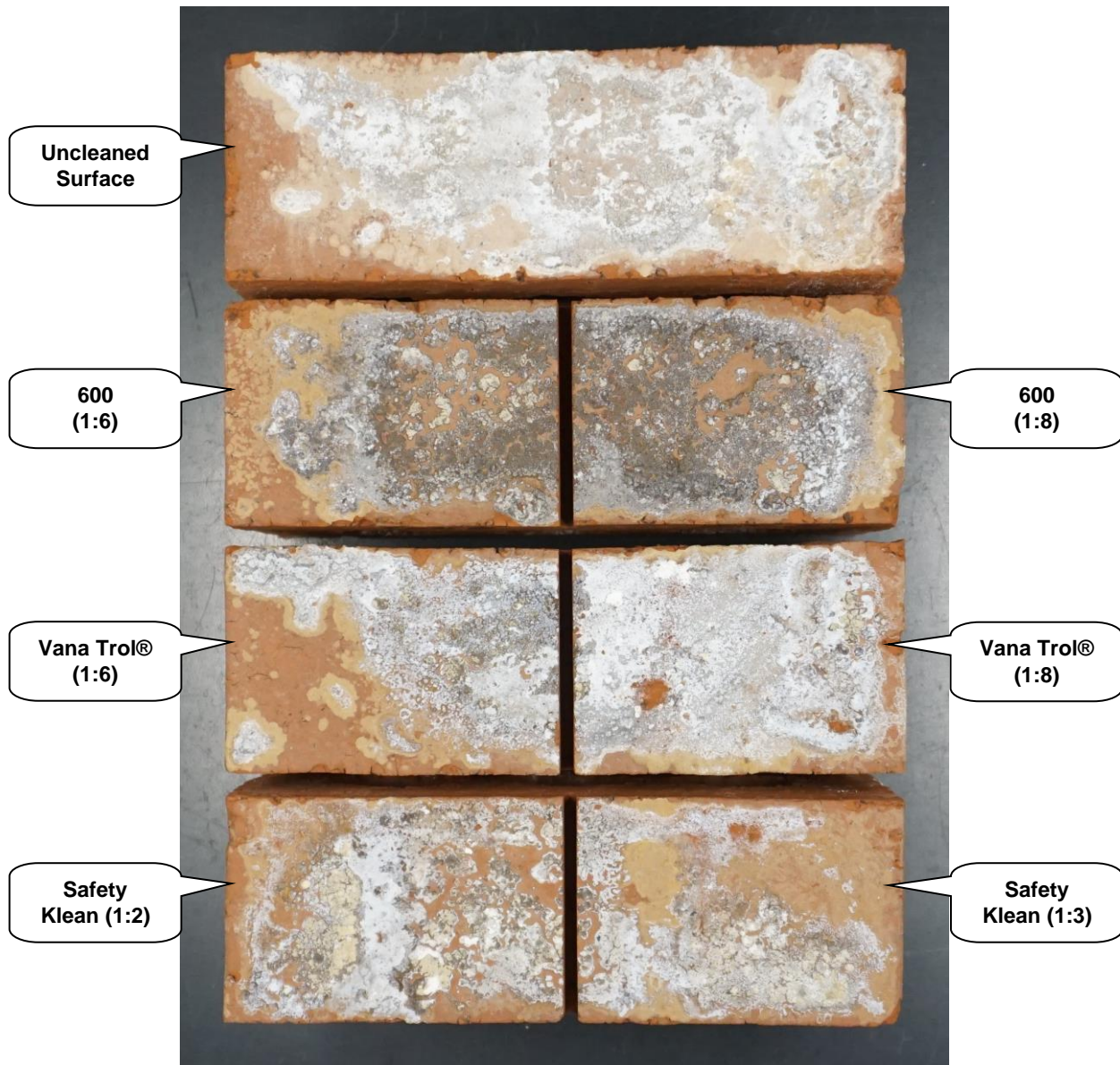
"Aspen – Mission" Brick After Cleaning



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

Name: "Cascade Spice – Smooth" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	3	0	0	0
600	1:8	3	0	0	0
Vana Trol®	1:6	3	0	0	0
Vana Trol®	1:8	3	0	0	0
Safety Klean	1:2	3	0	0	0
Safety Klean	1:3	3	0	0	0

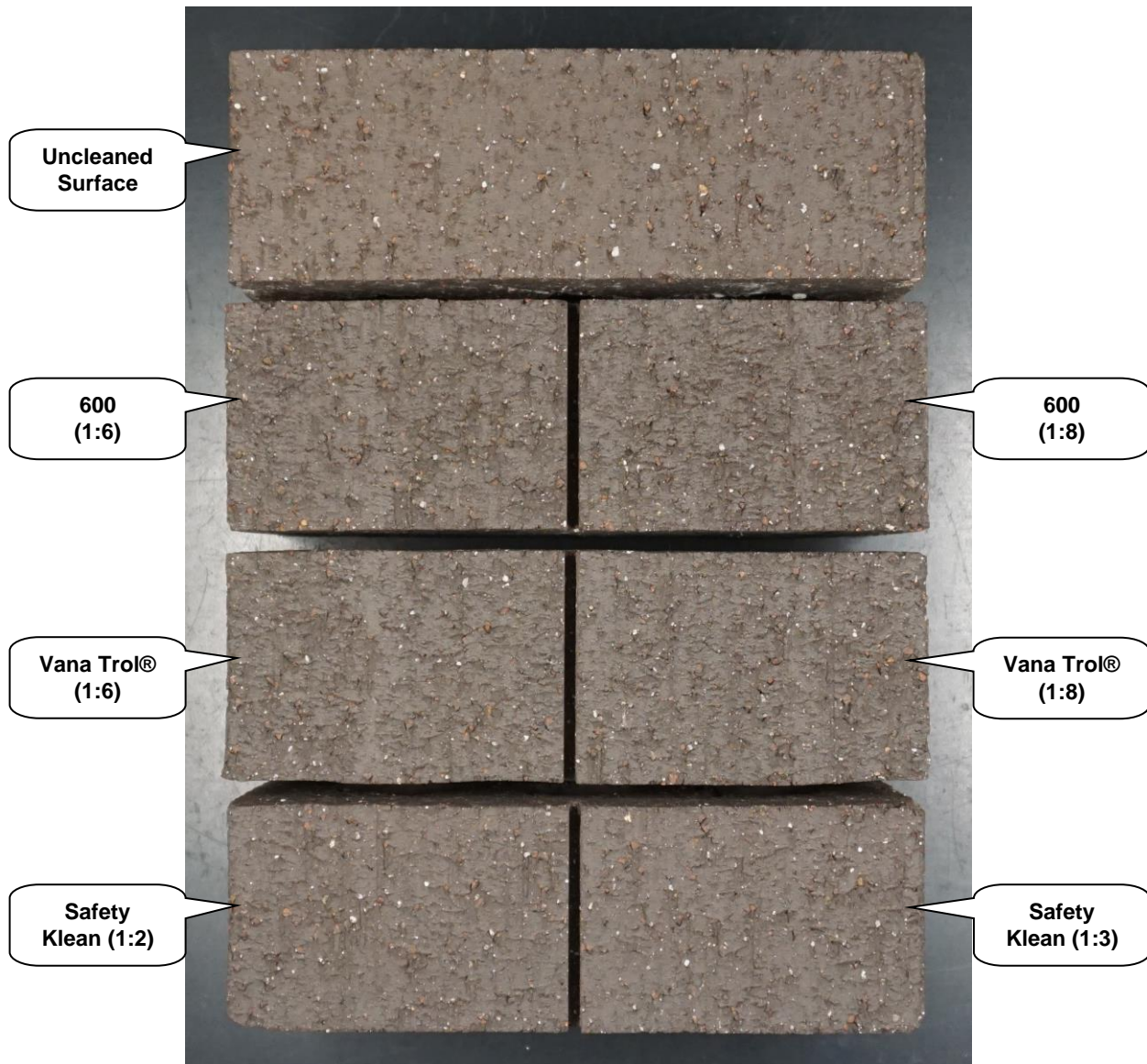
"Cascade Spice – Smooth" Brick After Cleaning



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

Name: "Ebony – Mission" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

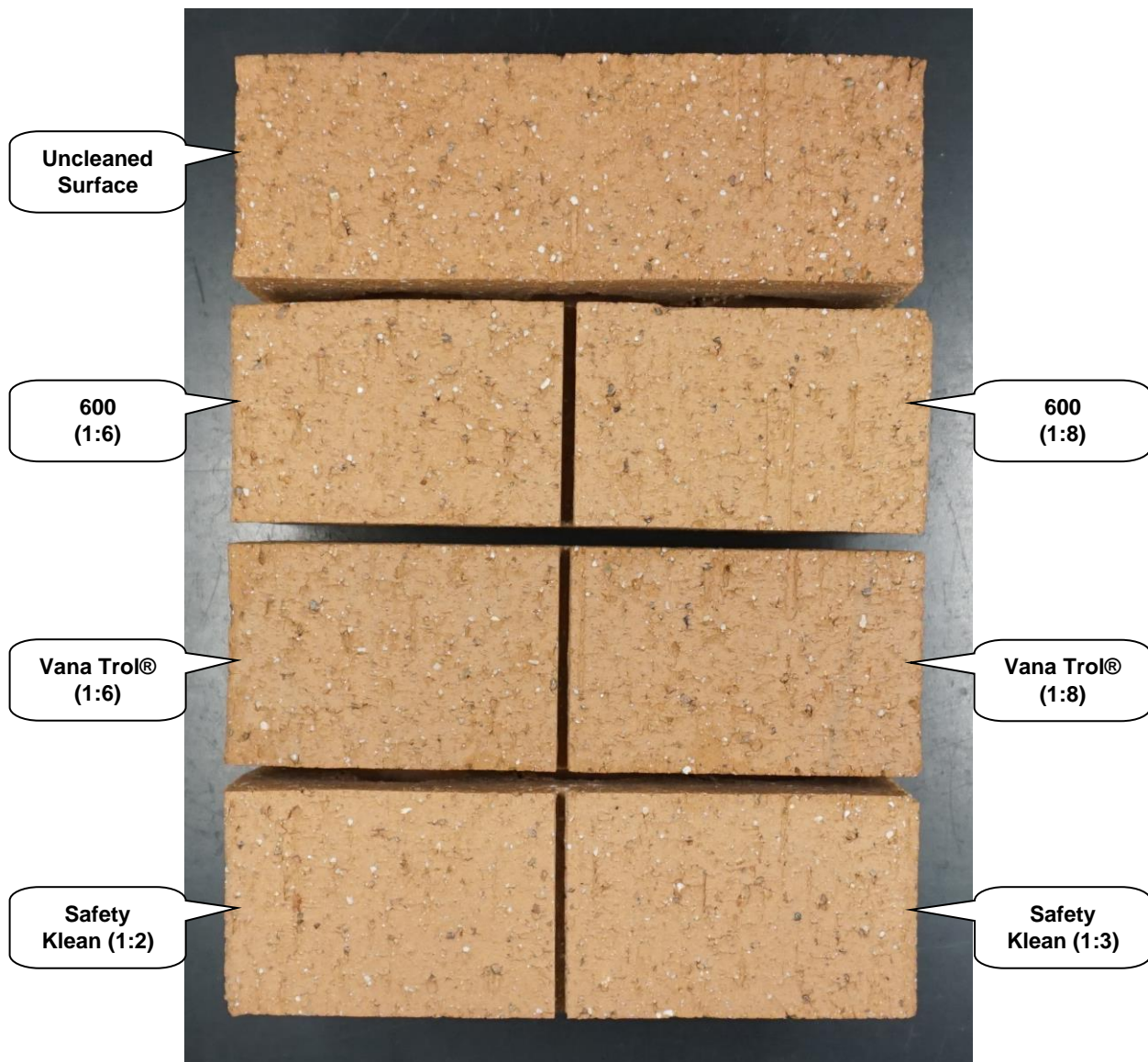
"Ebony – Mission" Brick After Cleaning



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

Name: "Chestnut – Mission" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

"Chestnut – Mission" Brick After Cleaning



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

Name: "Harbor Mist – Mission" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

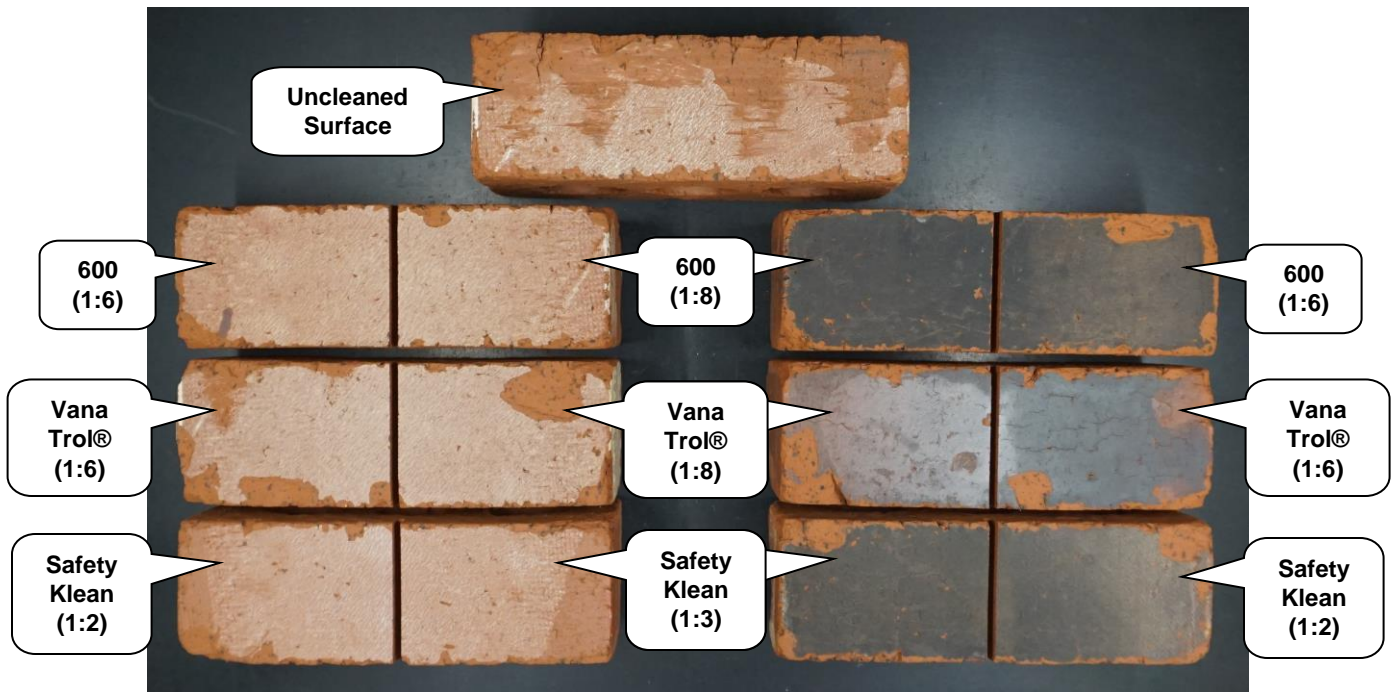
"Harbor Mist – Mission" Brick After Cleaning



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

Name: "Mutual Used – Smooth" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

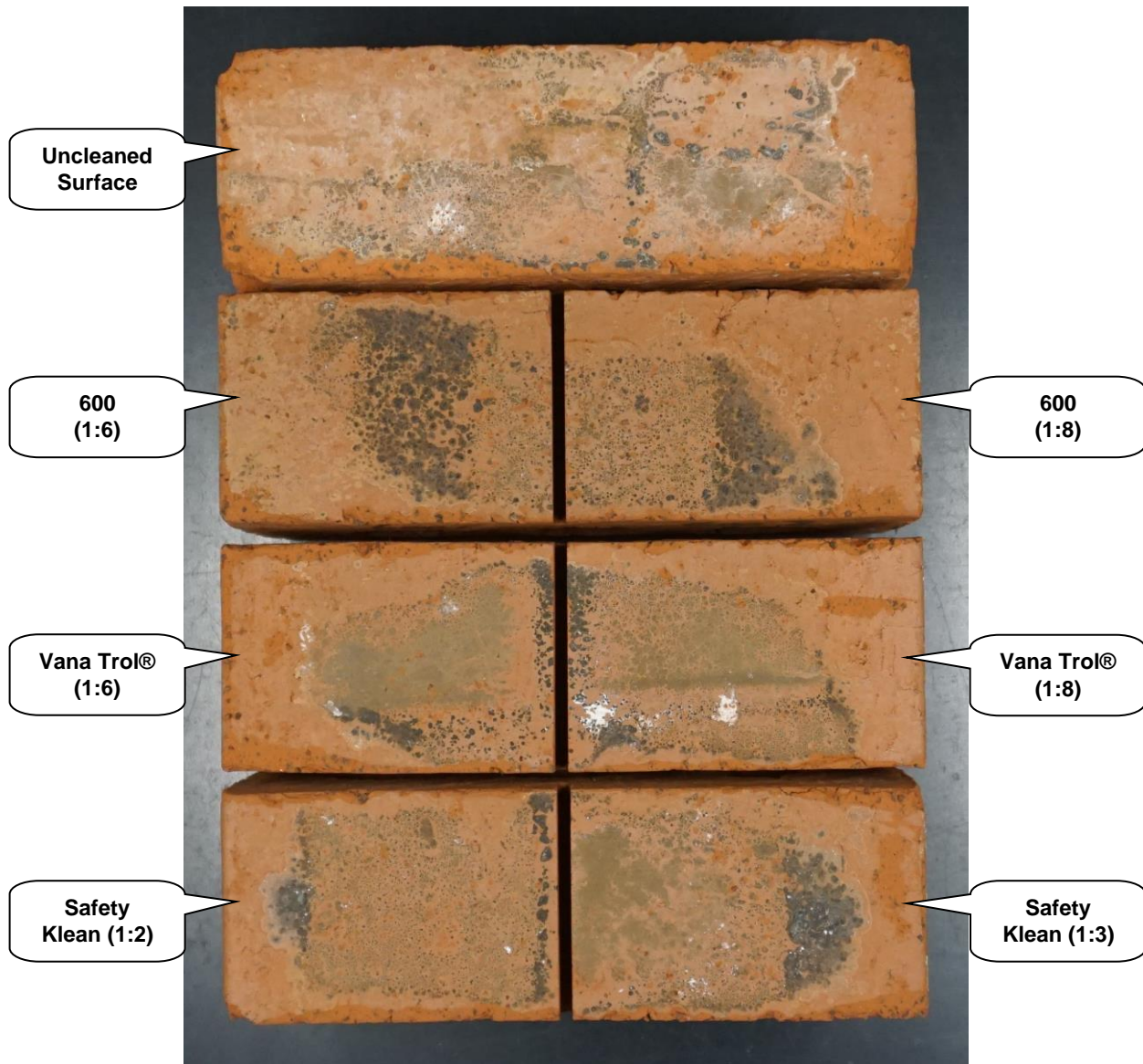
"Mutual Used – Smooth" Brick Brick After Cleaning



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

Name: "Ashland – Smooth" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	1	0	0	0
600	1:8	1	0	0	0
Vana Trol®	1:6	1	0	0	0
Vana Trol®	1:8	1	0	0	0
Safety Klean	1:2	1	0	0	0
Safety Klean	1:3	1	0	0	0

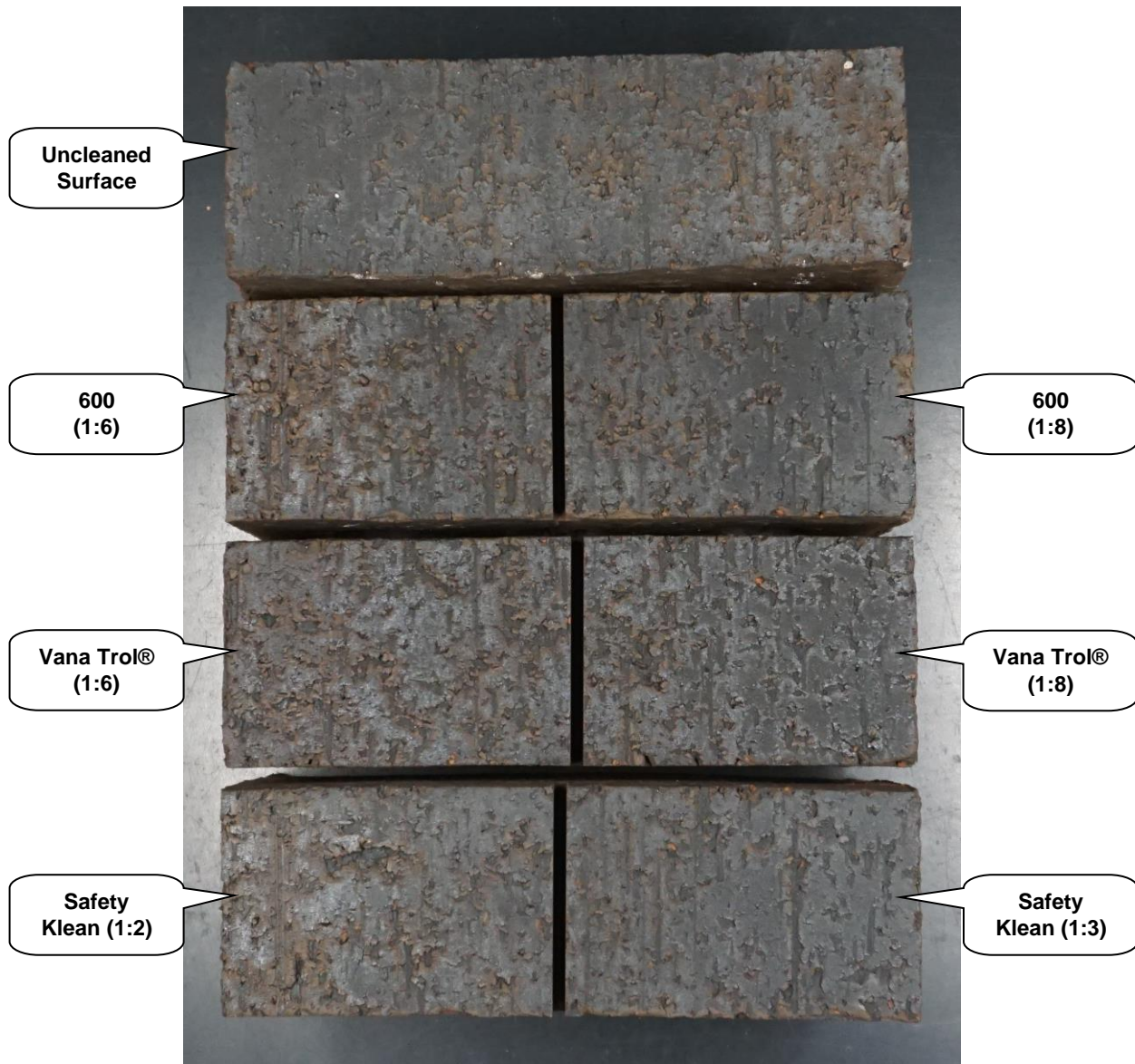
"Ashland – Smooth" Brick After Cleaning



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

Name: "Coral Creek – Mission" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

"Coral Creek – Mission" Brick After Cleaning



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

Name: "Seattle Cream – Mission" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

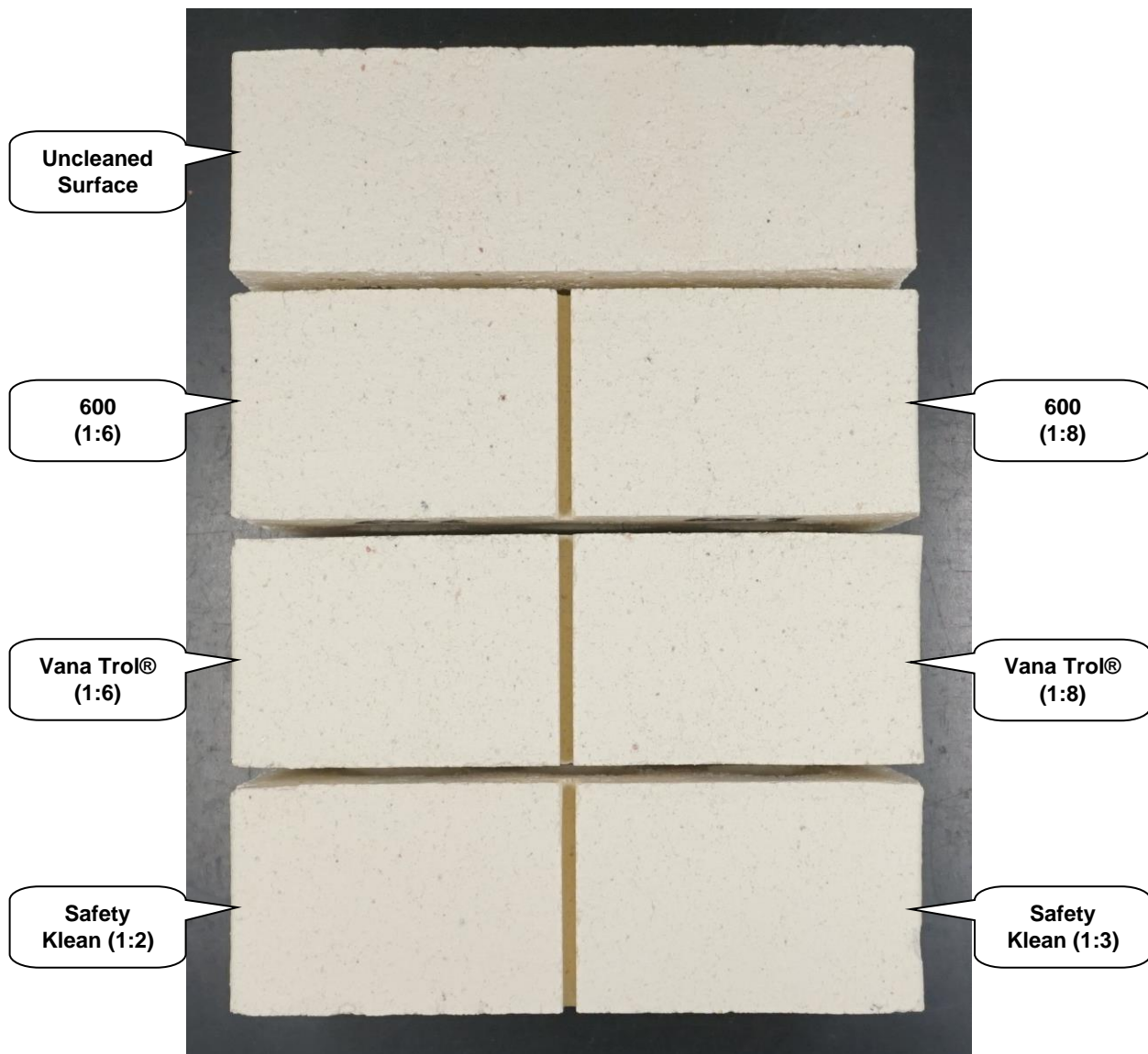
"Seattle Cream – Mission" Brick After Cleaning



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

Name: "Desert White – Smooth" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

"Desert White – Smooth" Brick After Cleaning



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

Name: "Sheffield – Smooth" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

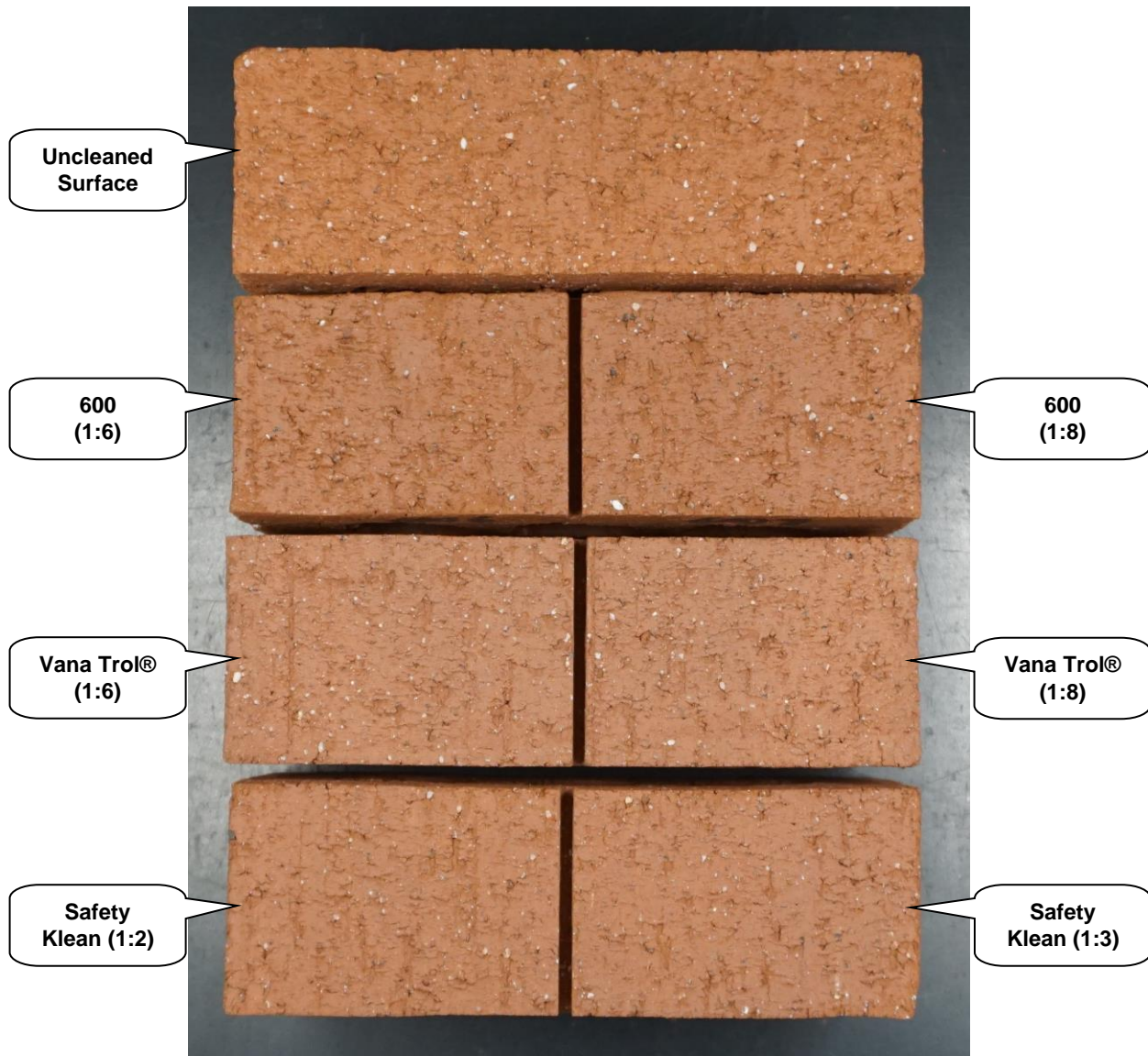
"Sheffield – Smooth" Brick After Cleaning



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

Name: "Inca – Mission" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

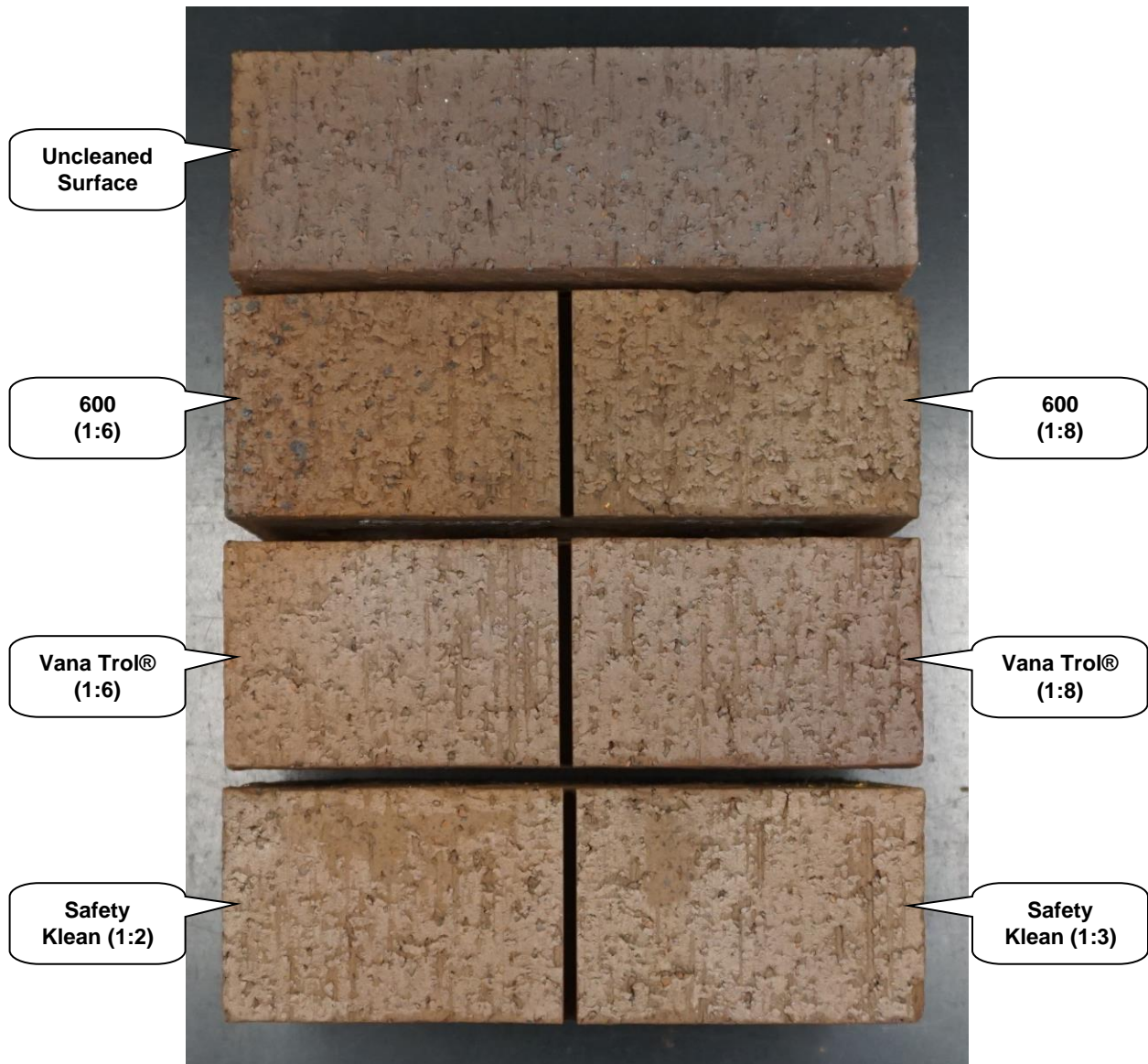
"Inca – Mission" Brick After Cleaning



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

Name: "Forest Blend – Mission" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

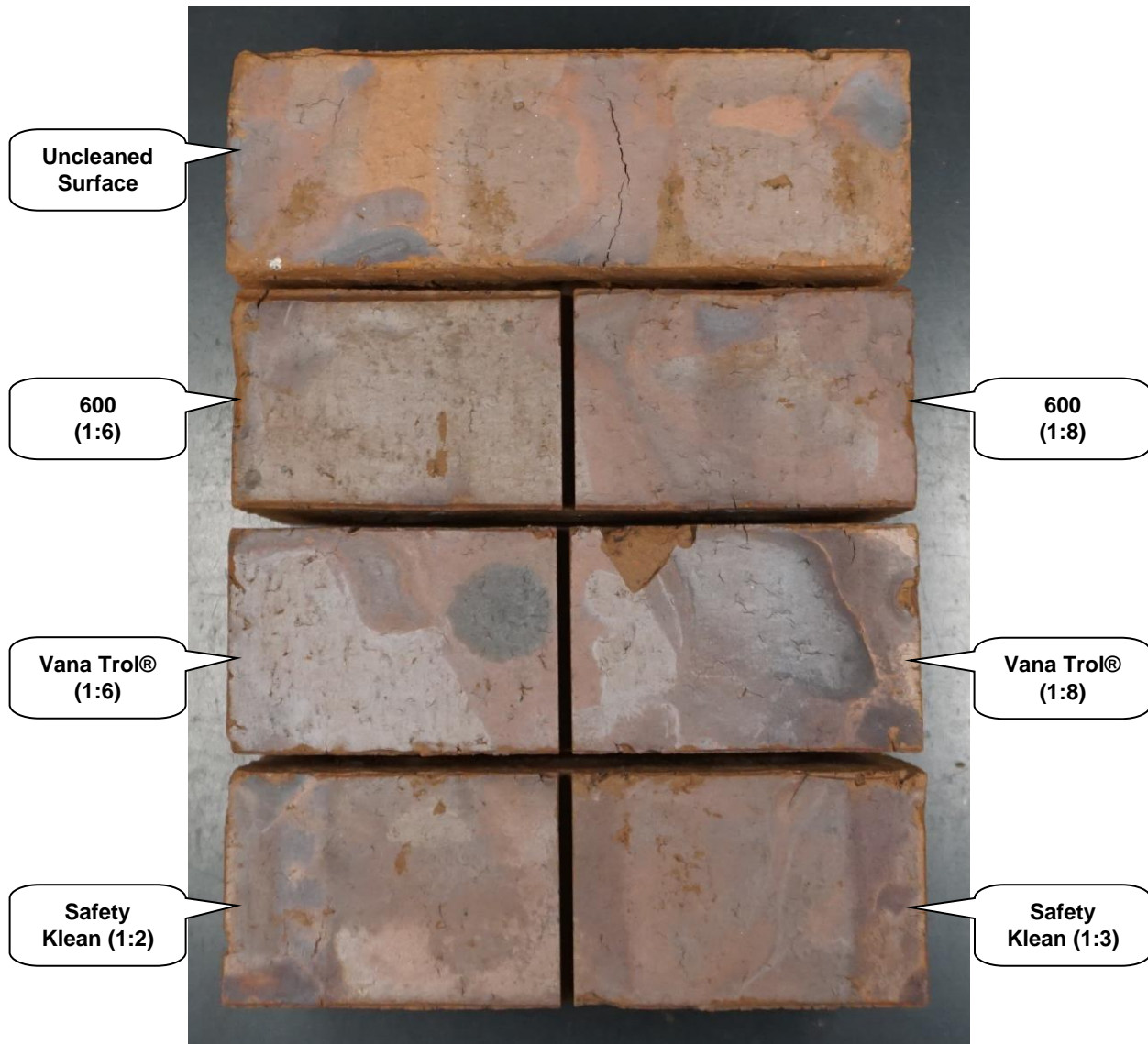
"Forest Blend – Mission" Brick After Cleaning



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

Name: "Covington – Smooth" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

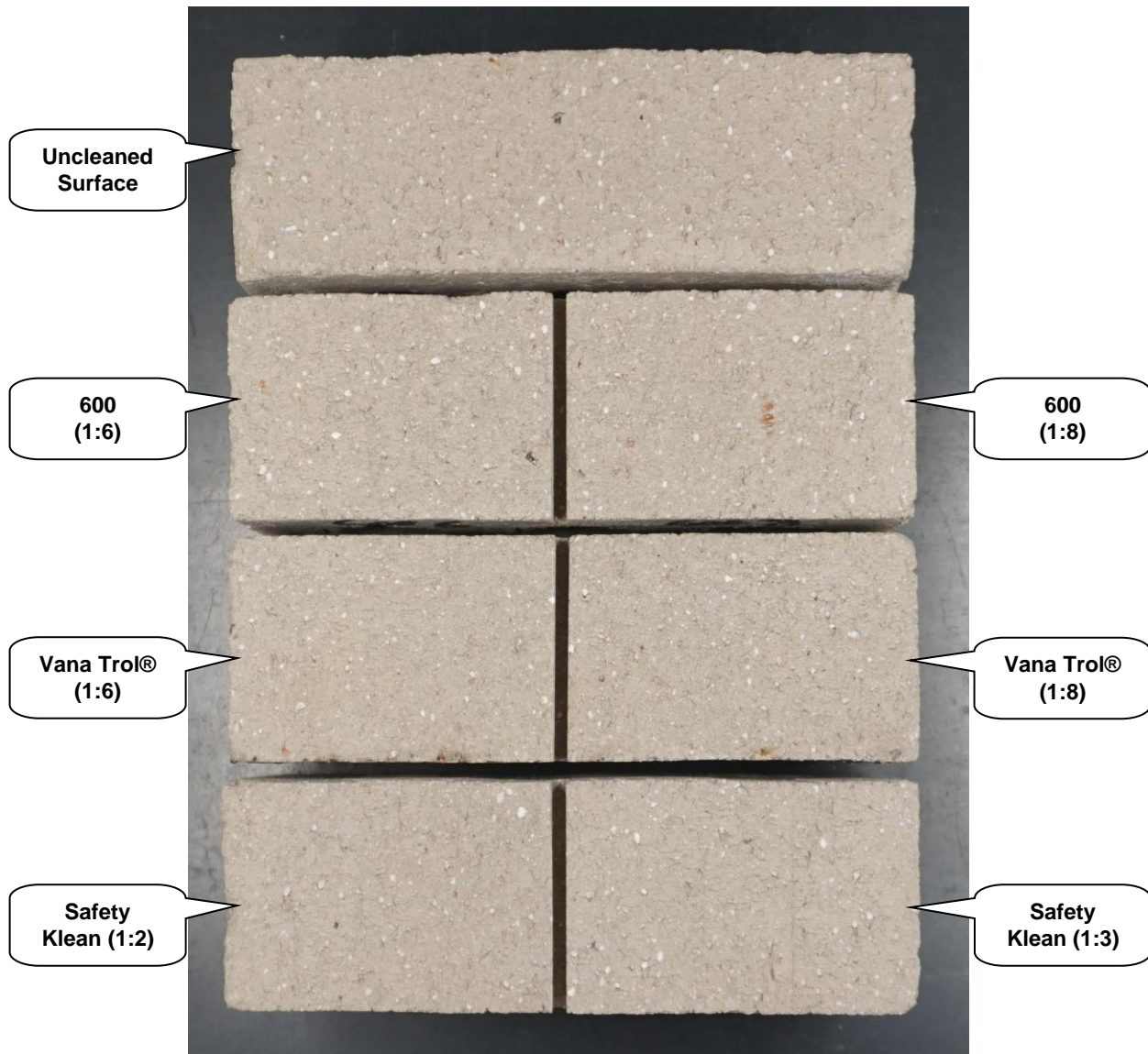
"Covington – Smooth" Brick After Cleaning



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

Name: "Redondo Gray – Mission" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

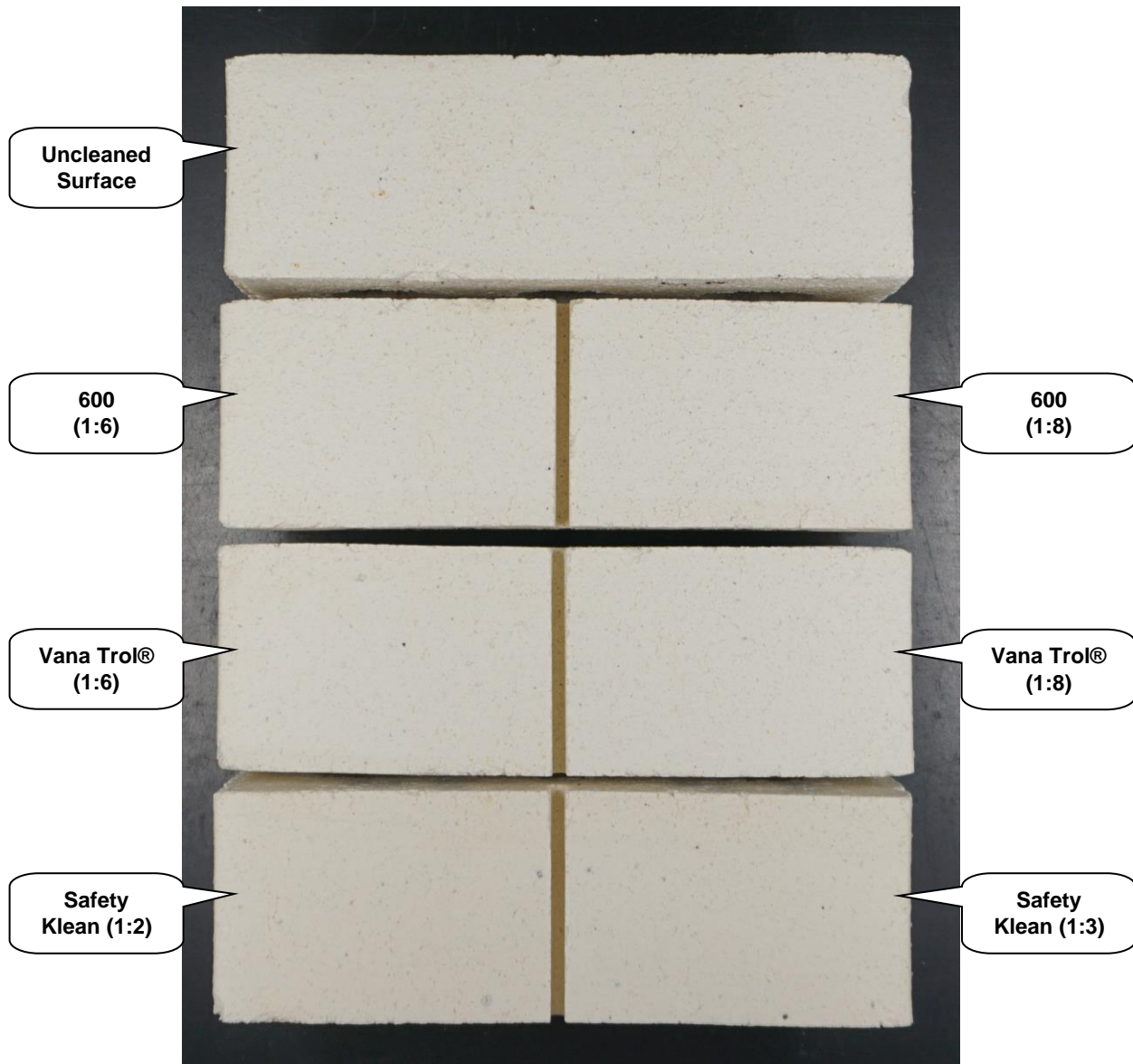
"Redondo Gray – Mission" Brick After Cleaning



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

Name: "White – Smooth" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

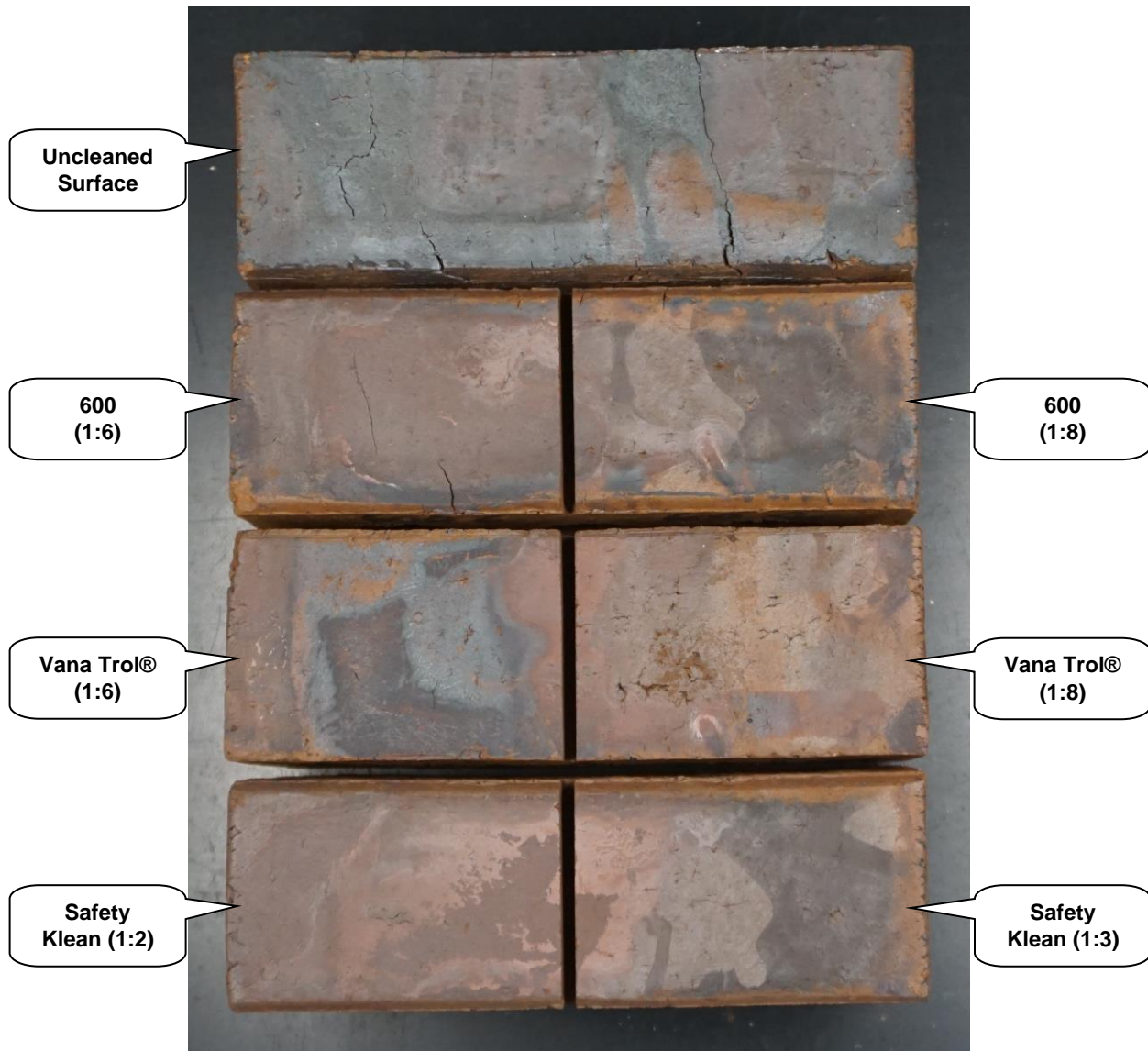
"White – Smooth" Brick After Cleaning



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

Name: "Windsor – Smooth" Brick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
600	1:6	0	0	0	0
600	1:8	0	0	0	0
Vana Trol®	1:6	0	0	0	0
Vana Trol®	1:8	0	0	0	0
Safety Klean	1:2	0	0	0	0
Safety Klean	1:3	0	0	0	0

"Windsor – Smooth" Brick After Cleaning



CONCLUSIONS: New Construction Cleaning

In most of the cleaning tests conducted, Sure Klean® 600, Sure Klean® Vana Trol®, and Enviro Klean® Safety Klean caused no change to the appearance of the submitted brick.

A slight to significant amount of surface finish removal was observed when cleaning the “Cascade Spice – Smooth” and “Ashland – Smooth” brick with both dilutions of each new construction cleaner. However, simply rinsing with water alone using the masonry washing equipment resulted in a slight to moderate surface finish removal on each of these bricks (see photographs below).

“Cascade Spice – Smooth” Brick Before Rinsing With Water Alone**“Cascade Spice – Smooth” Brick After Rinsing With Water Alone**

When choosing the most appropriate product for the desired result:

- For a general purpose, concentrated acidic cleaner – test Sure Klean® 600
- For new masonry surfaces that are subject to vanadium, manganese, and other metallic stains – test Sure Klean® Vana Trol®
- For an effective, safe alternative to acidic cleaning compounds – test Enviro Klean® Safety Klean

Worth noting, the Product Data Sheet for Sure Klean® 600 states, “may not be suitable for cleaning buff-colored brick and brick, stone, or tile with manganese or other metallic additives.”

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 brick submitted by Mutual Materials, Bellevue, WA 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
"Aspen – Mission" Brick	¹ Sure Klean® Vana Trol® (1:6) or (1:8) OR ¹ Enviro Klean® Safety Klean (1:2) or (1:3) OR ² Sure Klean® 600 (1:6) or (1:8)
"Mutual Used – Smooth" Brick	
"Coral Creek – Mission" Brick	
"Seattle Cream – Mission" Brick	
"Desert White – Smooth" Brick	
"Sheffield – Smooth" Brick	
"Covington – Smooth" Brick	
"White – Smooth" Brick	
"Windsor – Smooth" Brick	
"Cascade Spice – Smooth" Brick	
"Ebony – Mission" Brick	
"Chestnut – Mission" Brick	
"Harbor Mist – Mission" Brick	
"Ashland – Smooth" Brick	
"Inca – Mission" Brick	
"Forest Blend – Mission" Brick	
"Redondo Gray – Mission" Brick	

NOTE: "1" indicates the recommended first choice and "2" indicates the recommended second choice. These recommendations are based on the Product Data Sheet limitations for certain brick types.

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, all of the submitted brick 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, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15, PROSOCO® Saltguard®, and PROSOCO® Silane 40 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

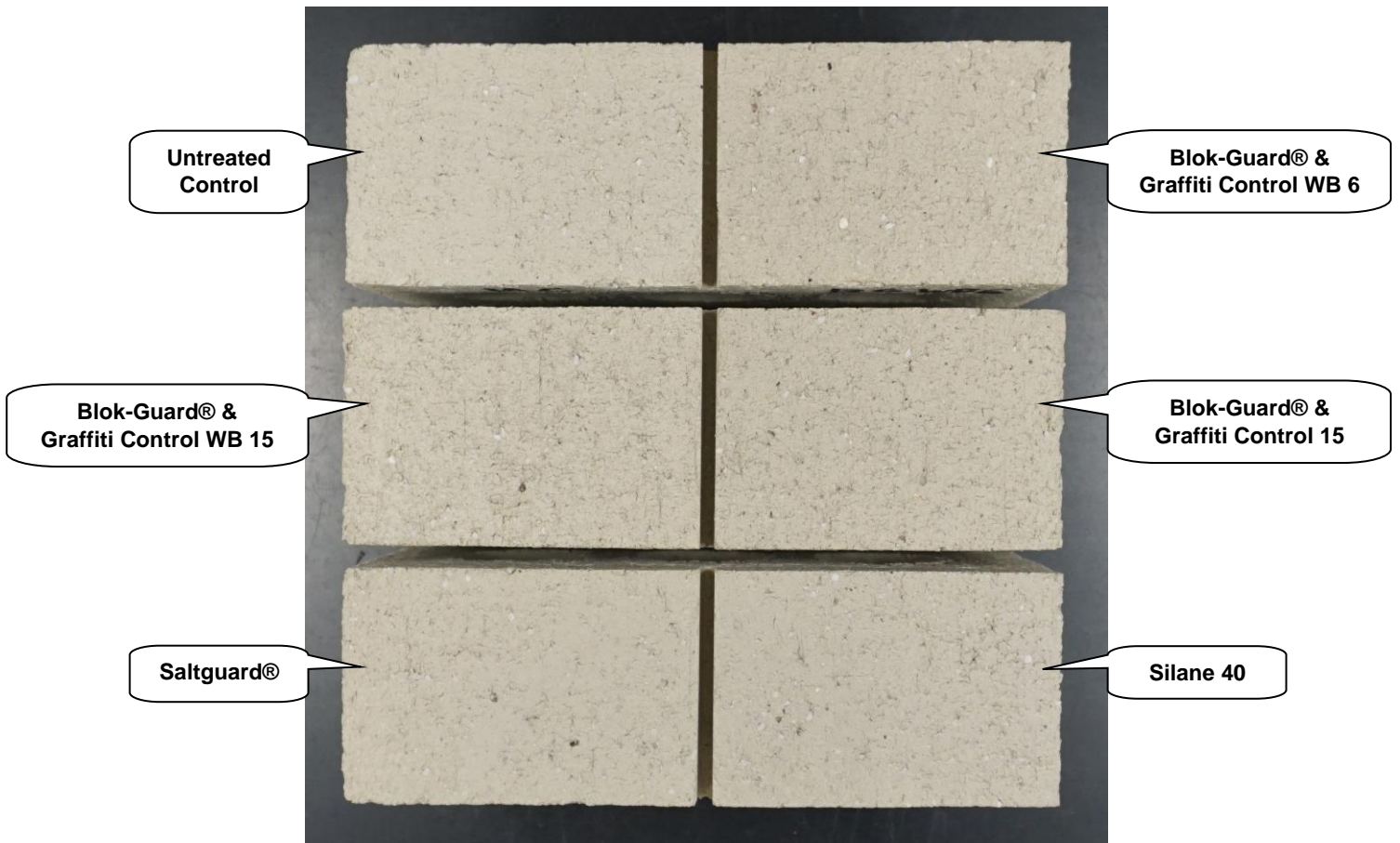
After 72 hours, a visual evaluation was made comparing the untreated control surface to the treated surface to determine the effectiveness of the evaluated products in providing color and/or sheen enhancement to the submitted samples.

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

"Aspen – Mission" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	1	0
PROSOCO® Silane 40	1	0

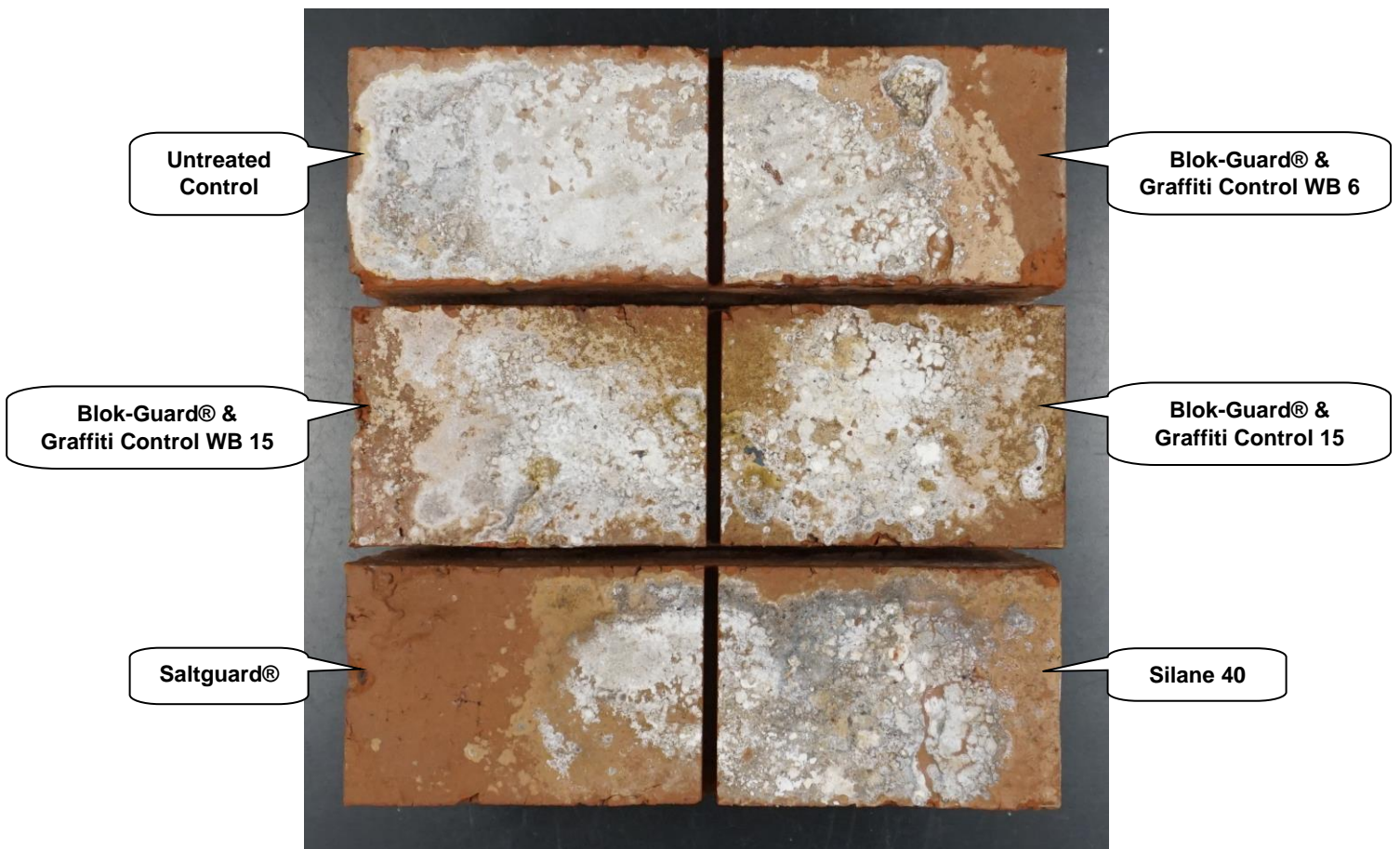
"Aspen – Mission" Brick with Treatments



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

"Cascade Spice – Smooth" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

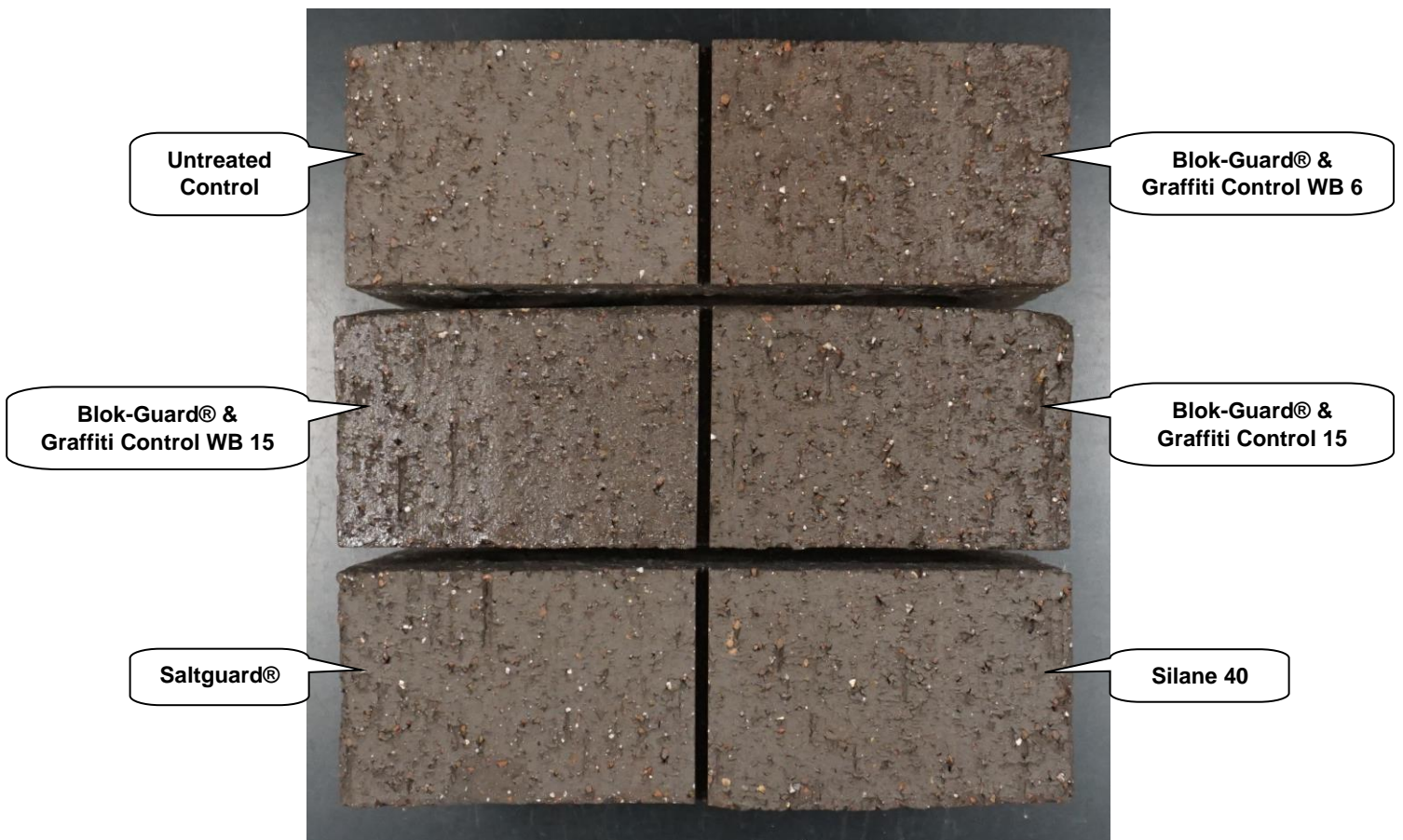
"Cascade Spice – Smooth" Brick with Treatments



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

"Ebony – Mission" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	2
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

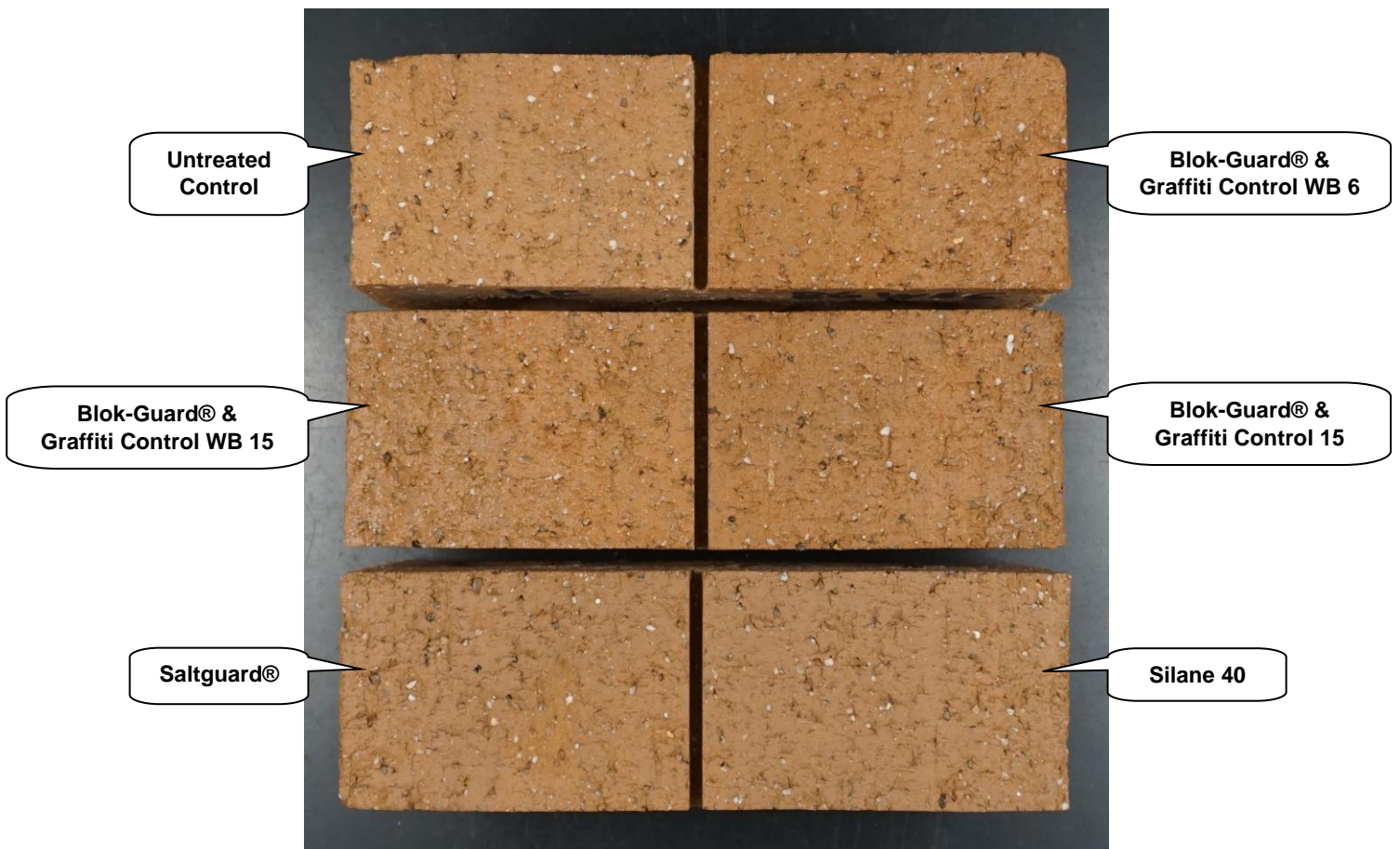
"Ebony – Mission" Brick with Treatments



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

“Chestnut – Mission” Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

“Chestnut – Mission” Brick with Treatments

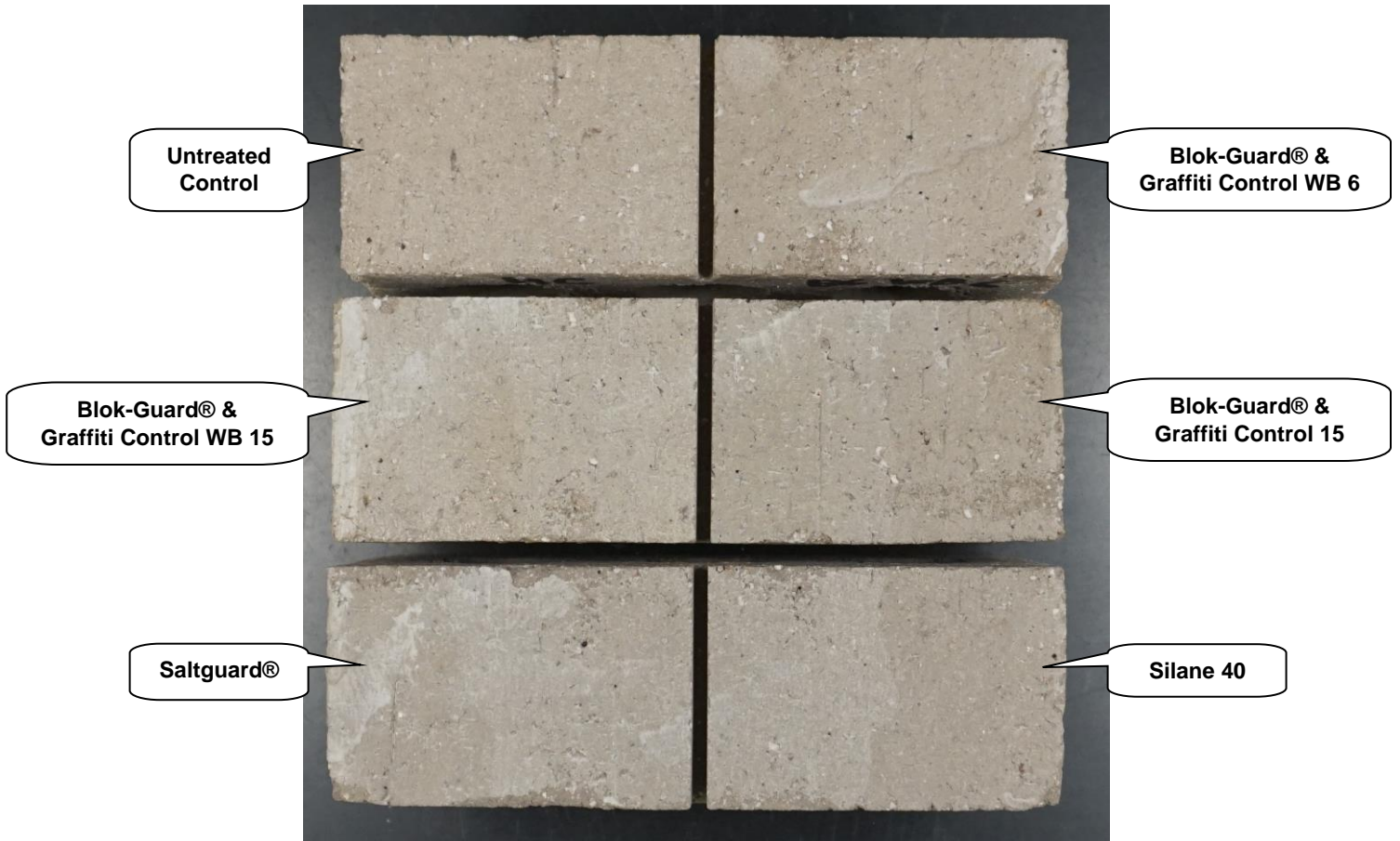


TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)

"Harbor Mist – Mission" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1*	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1*	1*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1*	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

***NOTE: Very slight enhancement compared to the untreated control**

"Harbor Mist – Mission" Brick with Treatments

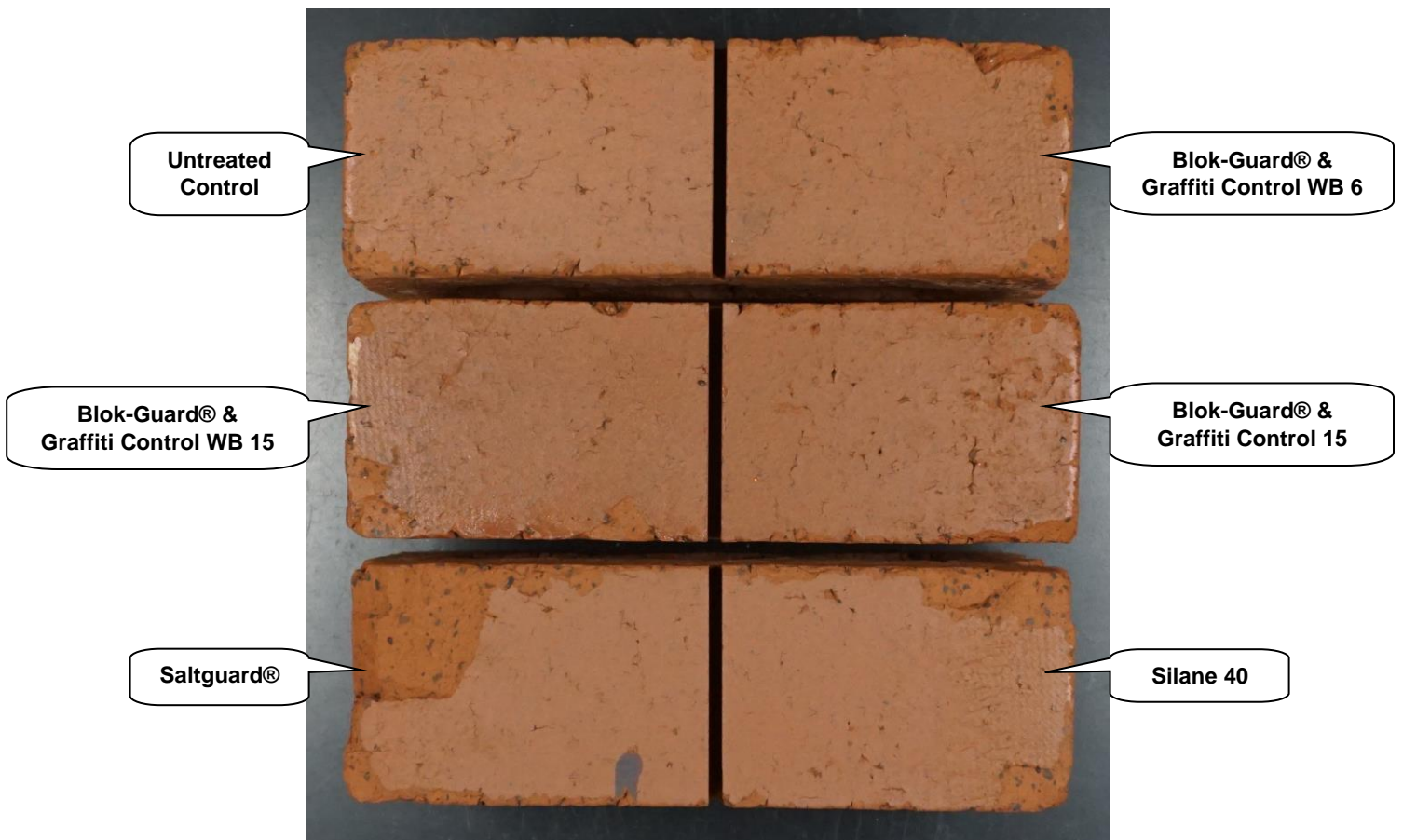


TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)

"Mutual Used – Smooth" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1*	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

***NOTE: Very slight enhancement compared to the untreated control**

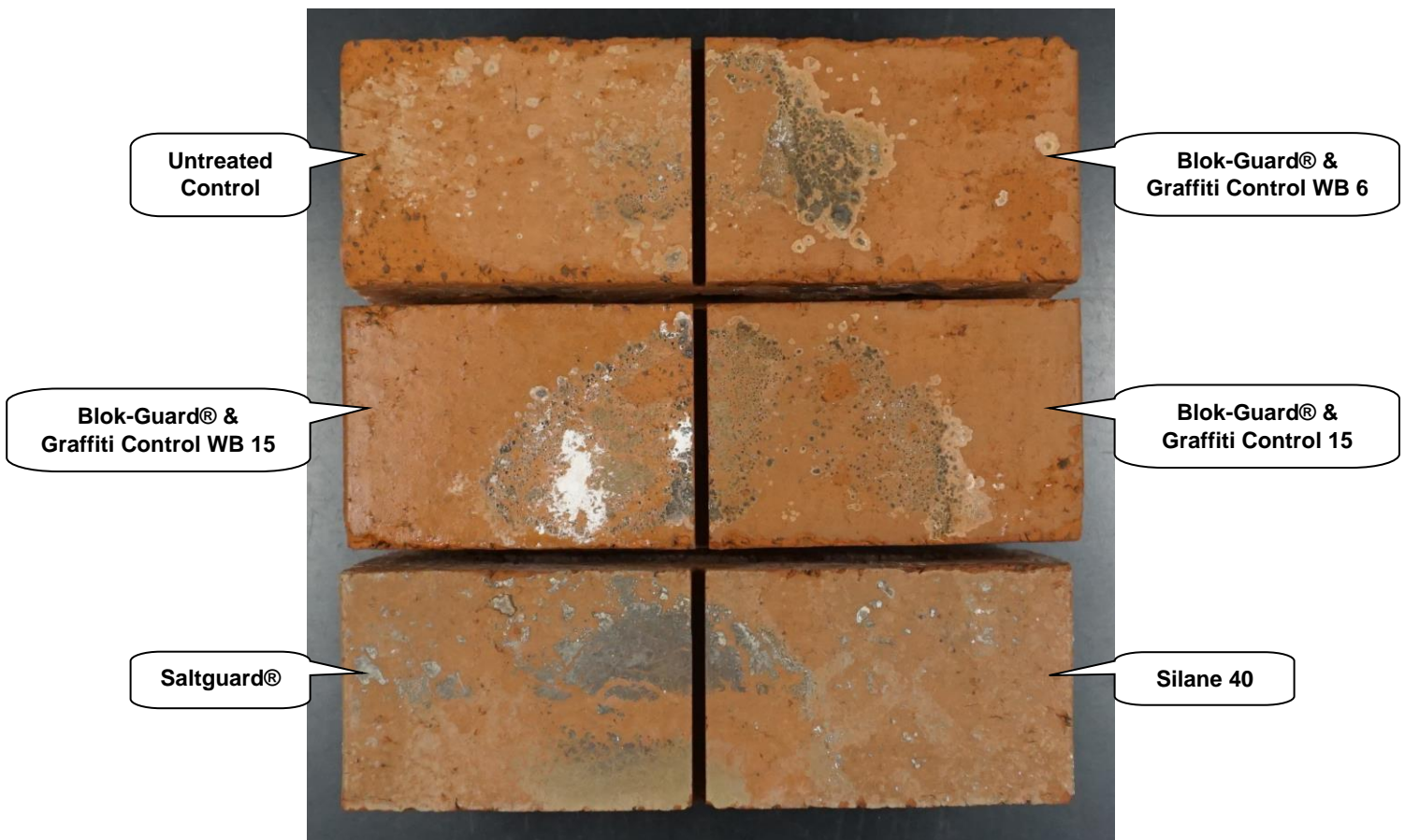
"Mutual Used – Smooth" Brick with Treatments



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

"Ashland – Smooth" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	2
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

"Ashland – Smooth" Brick with Treatments



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

“Coral Creek – Mission” Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

“Coral Creek – Mission” Brick with Treatments

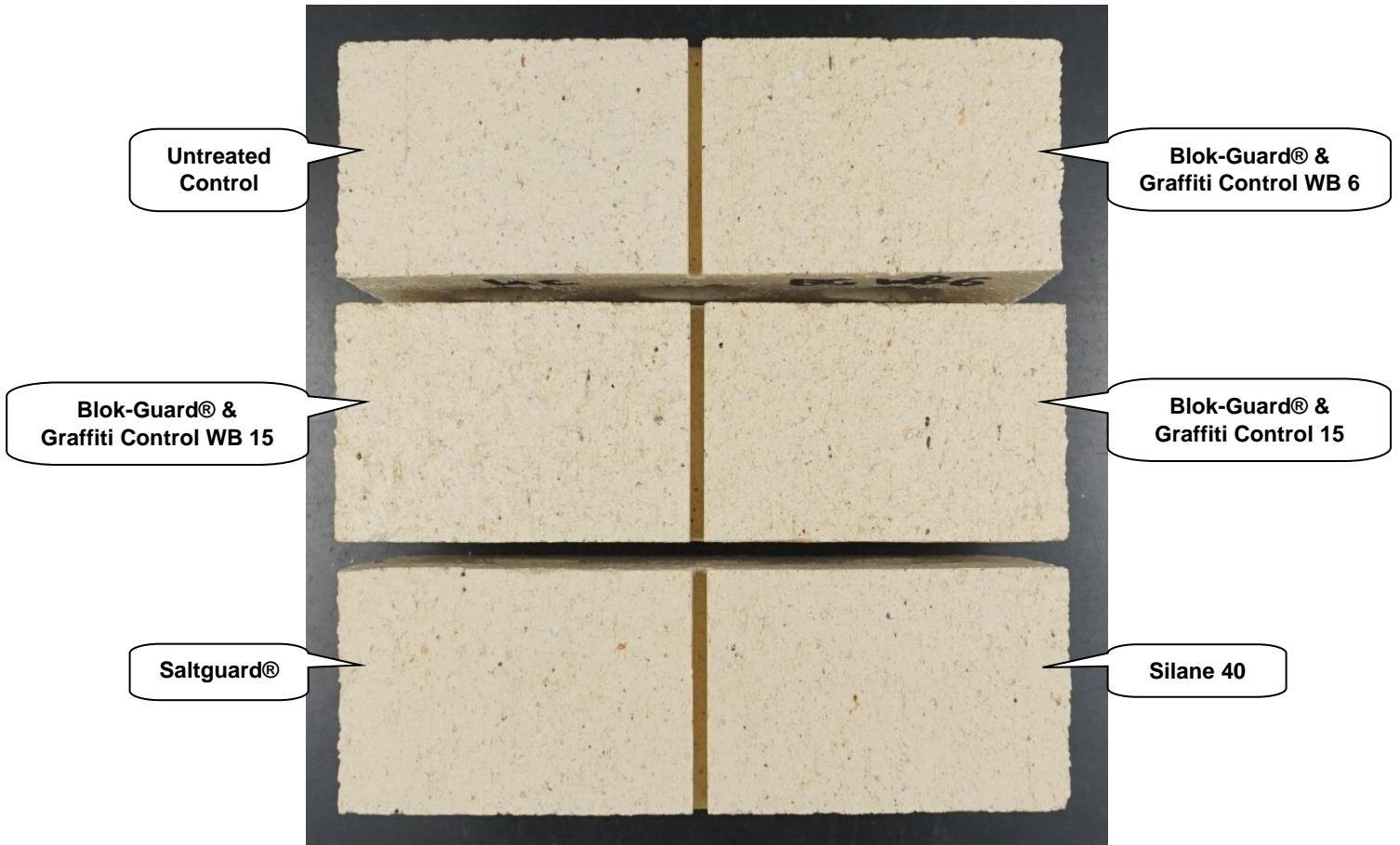


TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)

"Seattle Cream – Mission" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1*	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1*	1*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1*	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

***NOTE: Very slight enhancement compared to the untreated control**

"Seattle Cream – Mission" Brick with Treatments

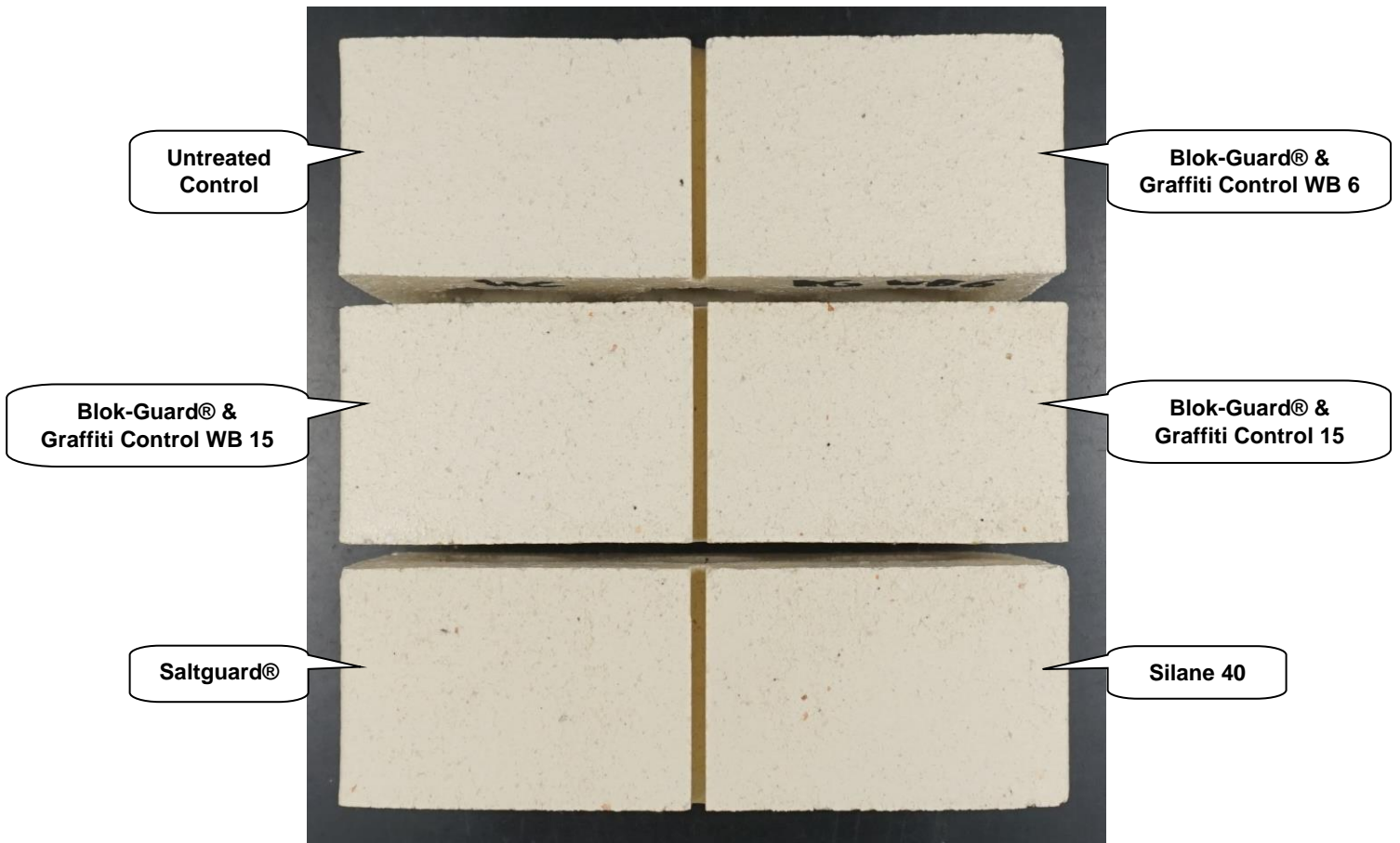


TEST RESULTS AND PHOTOGRAPHS: Color and Sheen Enhancement (cont.)

"Desert White – Smooth" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1*	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1*	1*
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1*	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

***NOTE: Very slight enhancement compared to the untreated control**

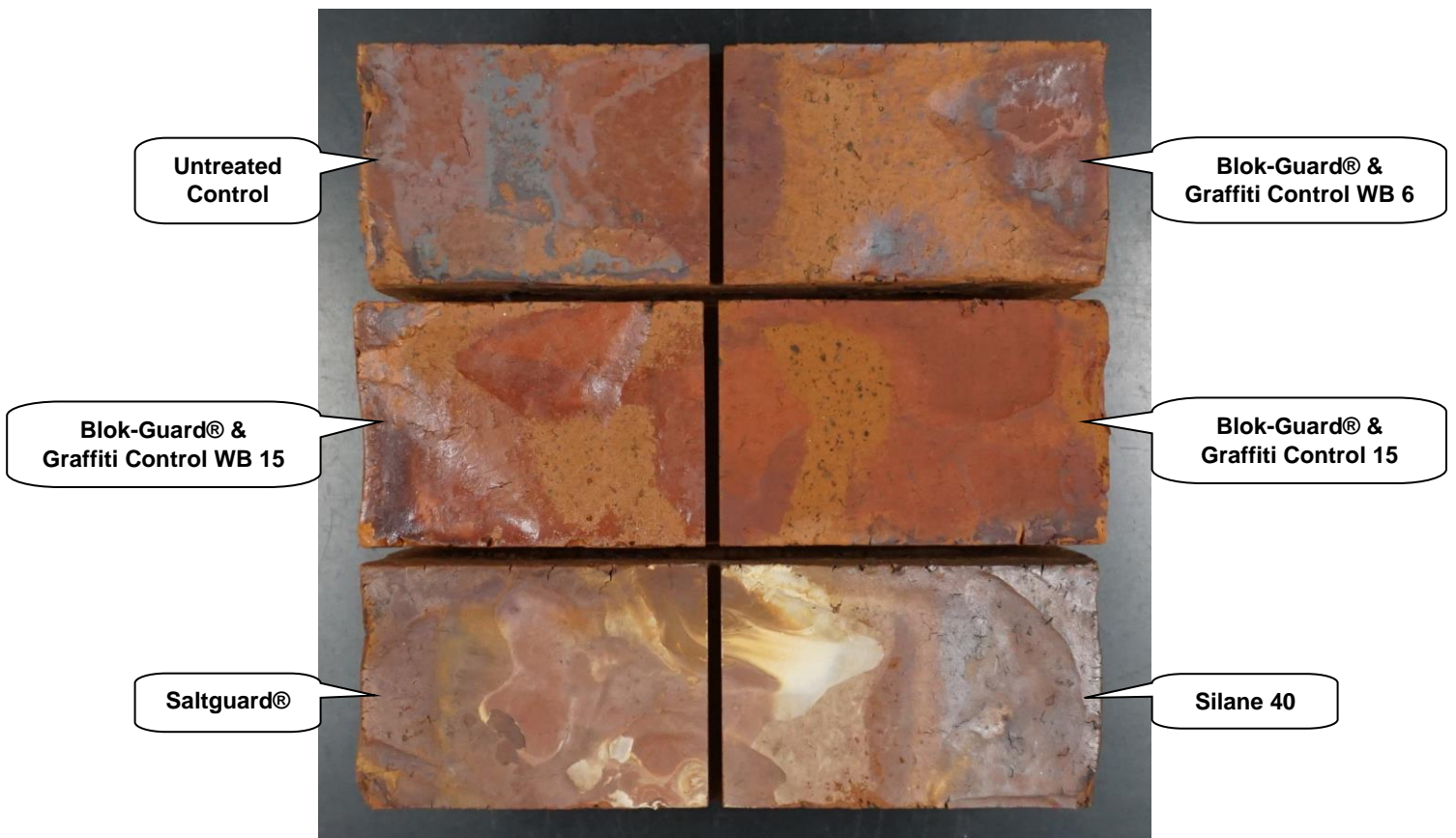
"Desert White – Smooth" Brick with Treatments



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

"Sheffield – Smooth" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	2	2
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

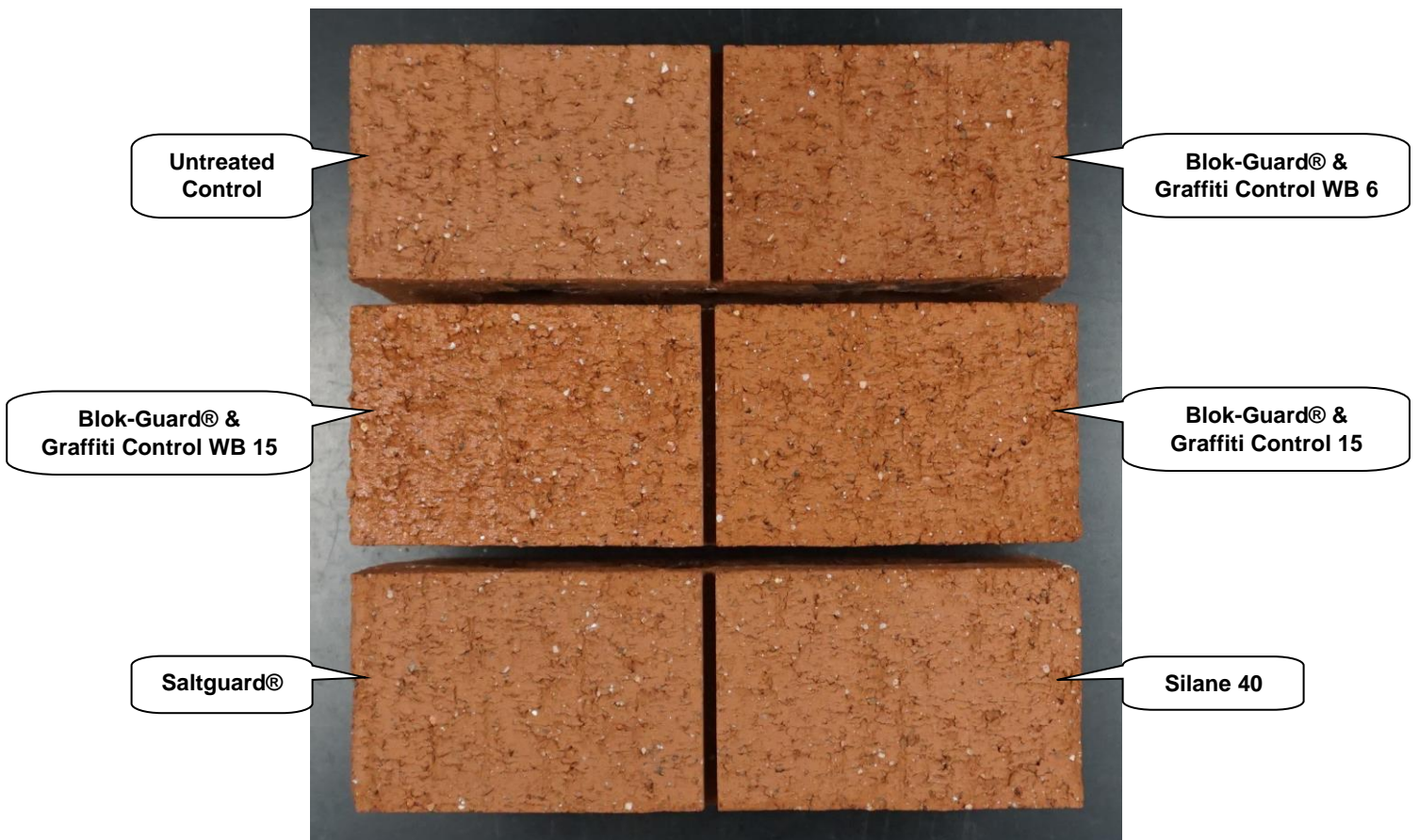
"Sheffield – Smooth" Brick with Treatments



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

"Inca – Mission" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

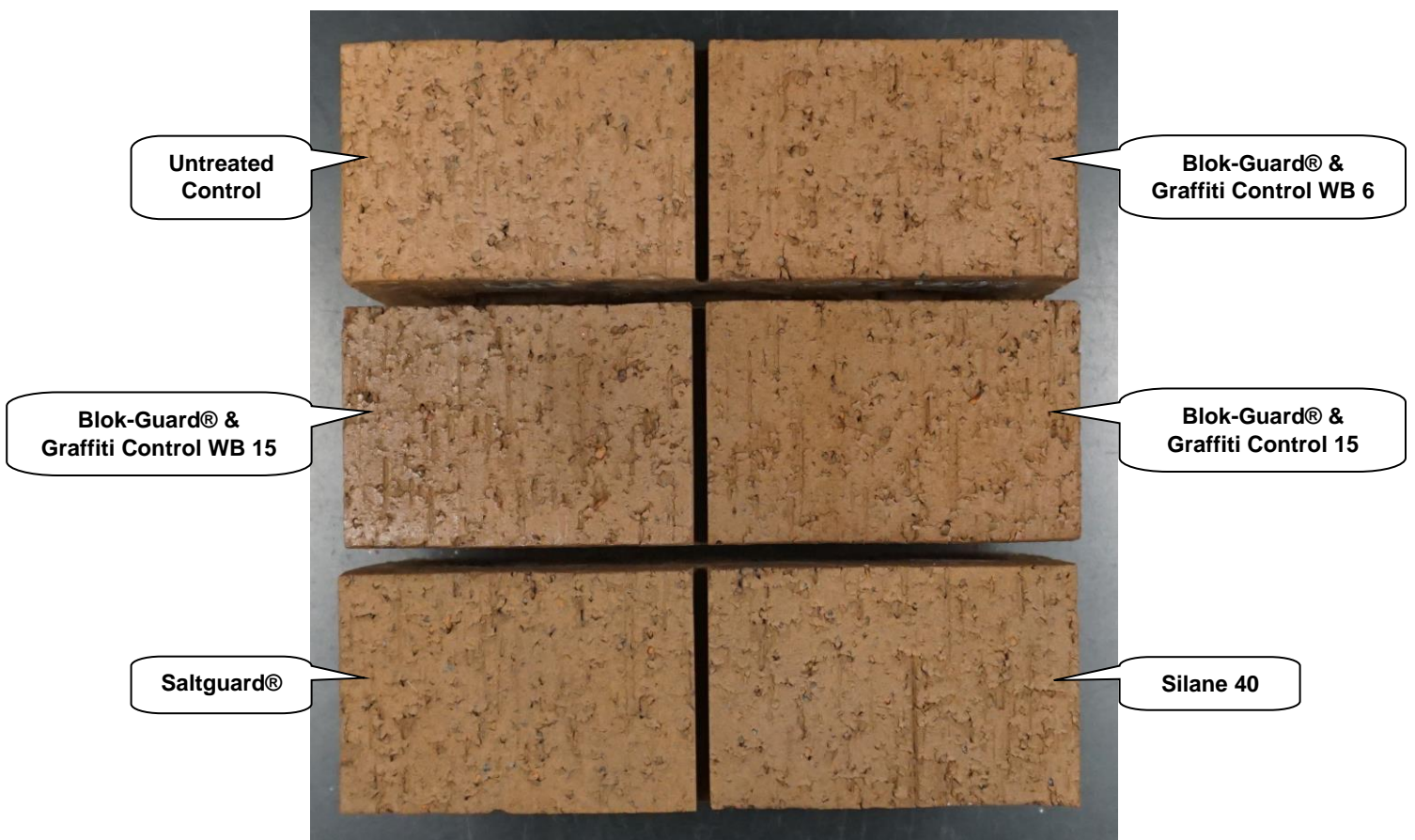
"Inca – Mission" Brick with Treatments



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

"Forest Blend – Mission" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

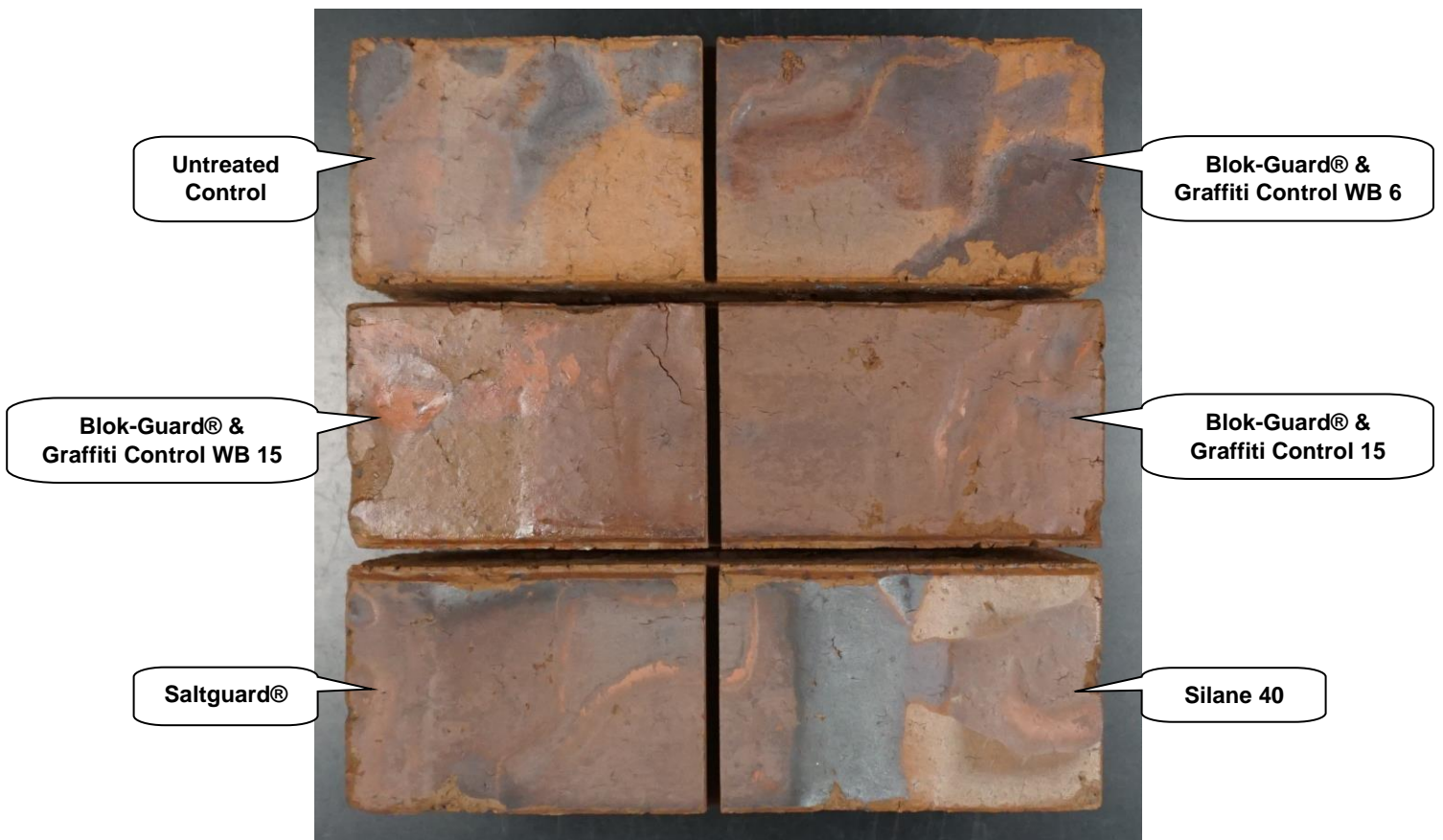
"Forest Blend – Mission" Brick with Treatments



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

"Covington – Smooth" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	2
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

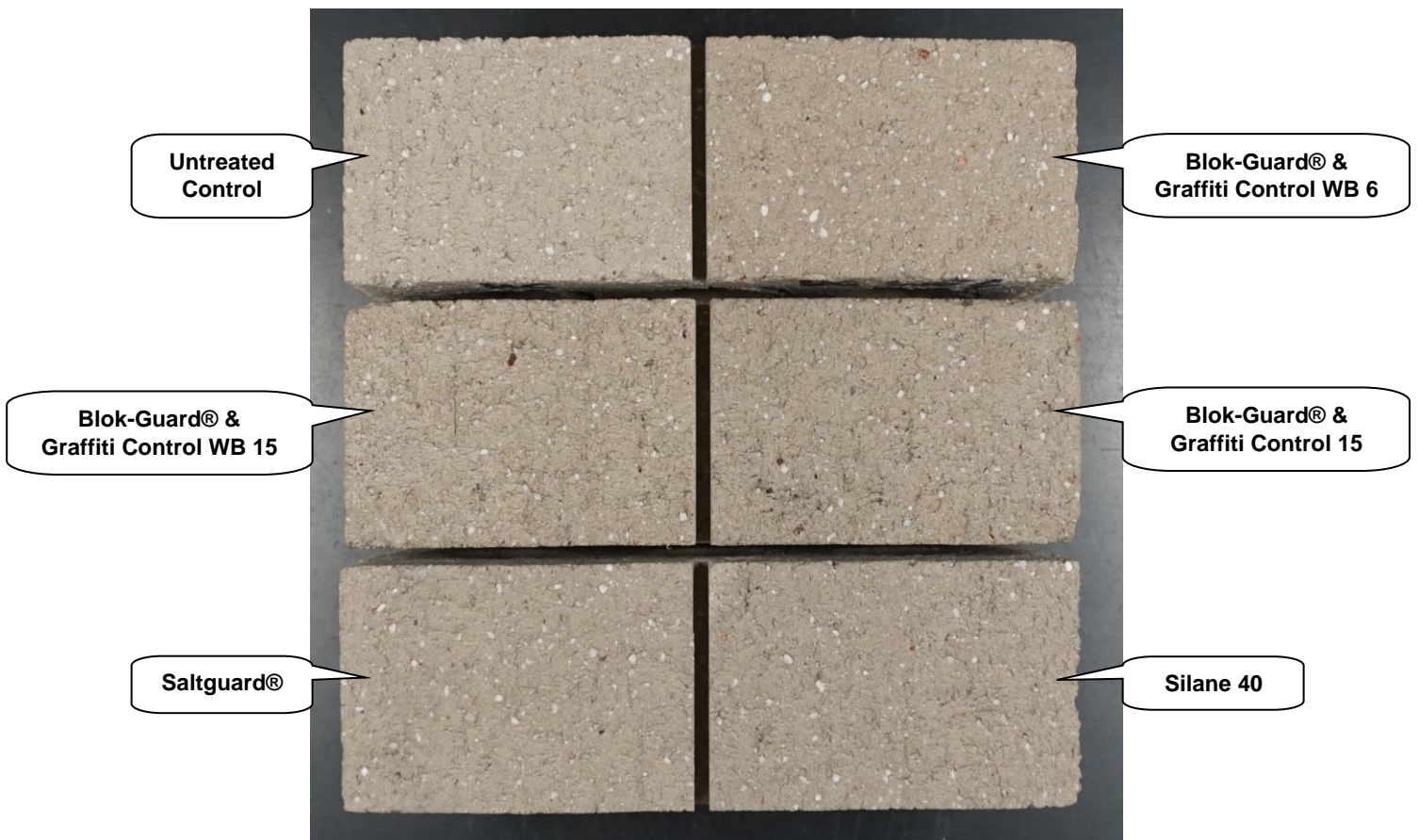
"Covington – Smooth" Brick with Treatments



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

"Redondo Gray – Mission" Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	2	0
PROSOCO® Saltguard®	1	0
PROSOCO® Silane 40	1	0

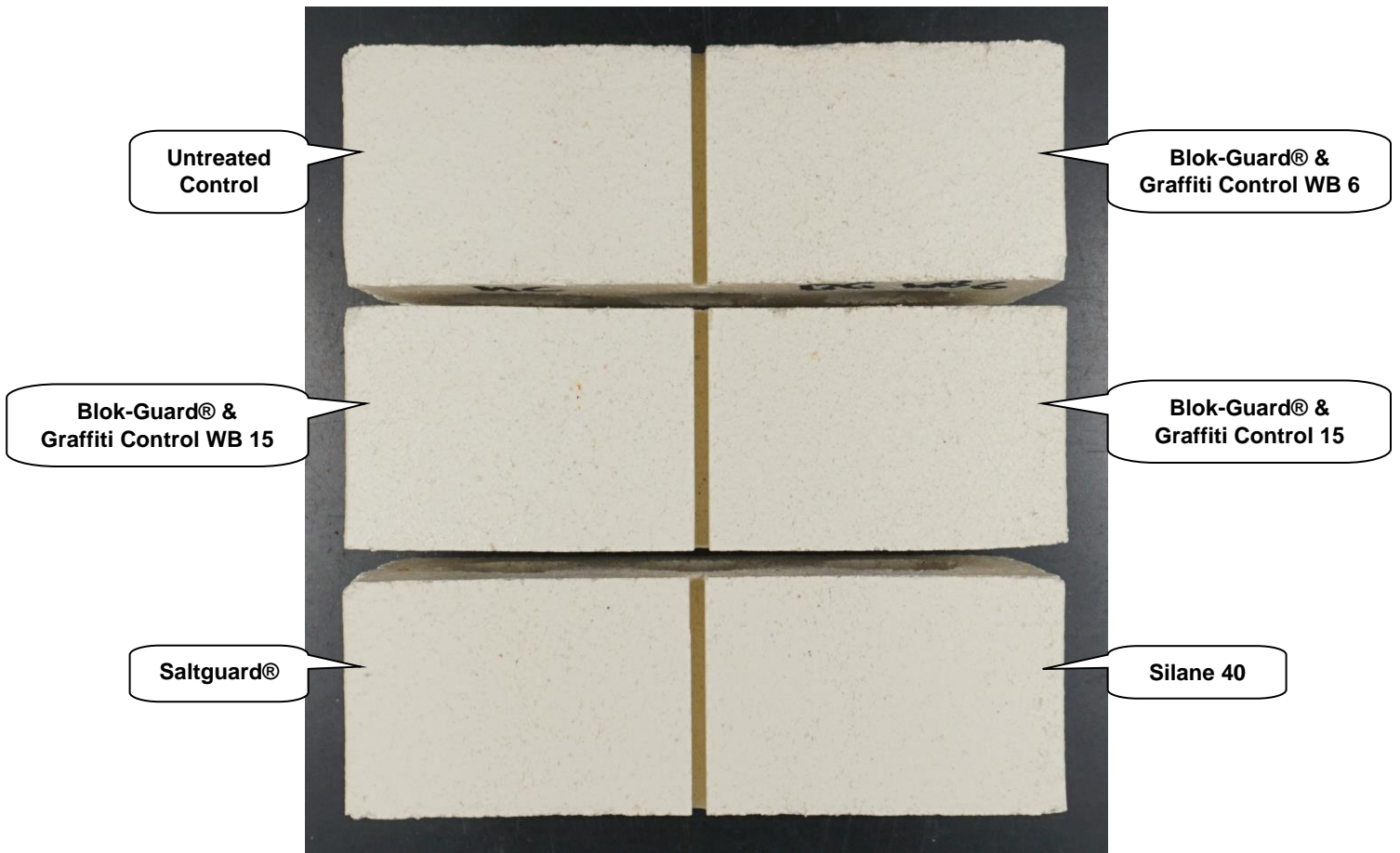
"Redondo Gray – Mission" Brick with Treatments



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

“White – Smooth” Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	0	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	0	1
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	0	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

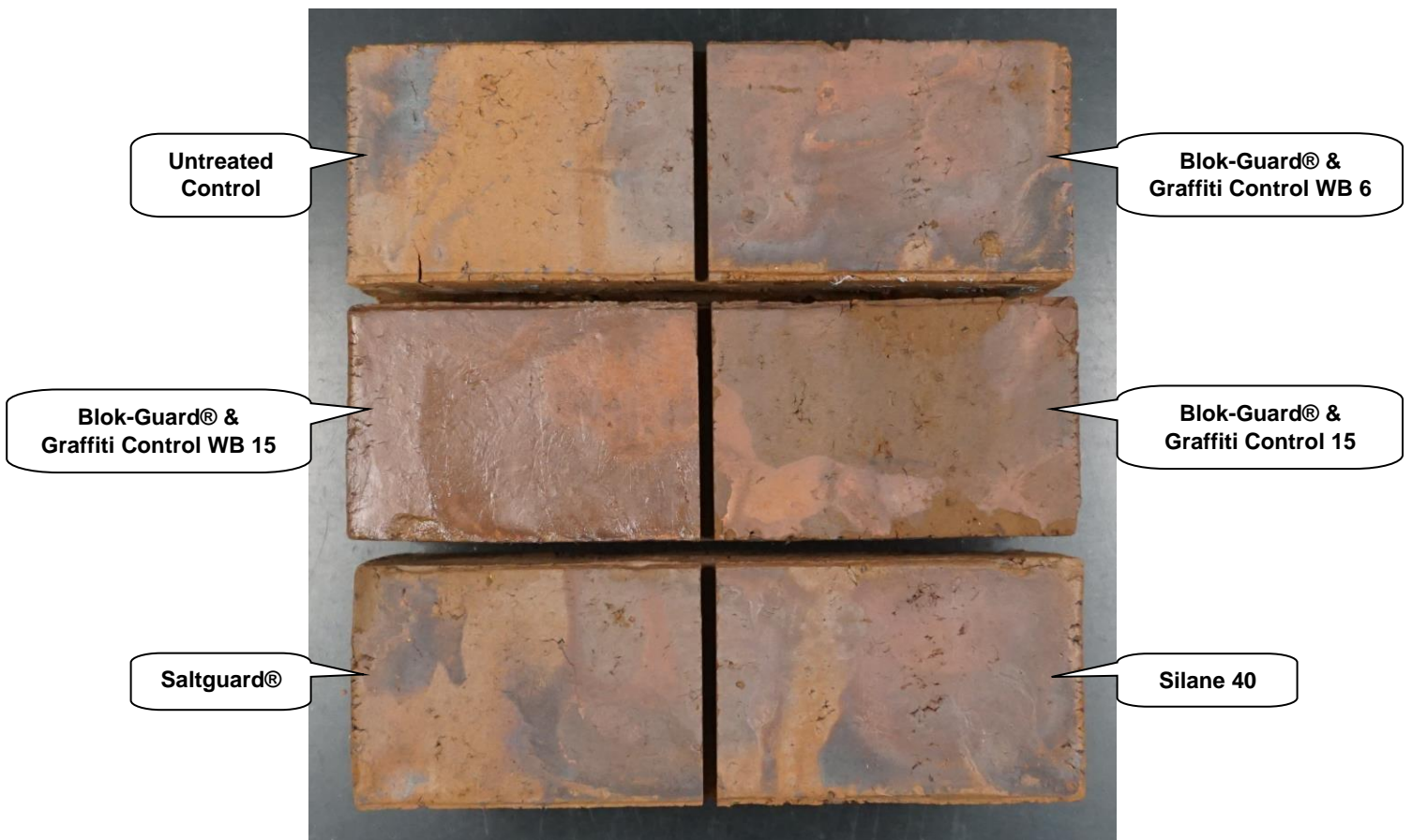
“White – Smooth” Brick with Treatments



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

“Windsor – Smooth” Brick	Color Enhancement	Sheen Enhancement
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	1	0
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	1	2
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	1	0
PROSOCO® Saltguard®	0	0
PROSOCO® Silane 40	0	0

“Windsor – Smooth” Brick 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 Blok-Guard® & Graffiti Control WB 15 provided a very slight to moderate amount of sheen enhancement on some of the submitted samples. 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, lightning, 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 the brick submitted by Mutual Materials, Bellevue, WA are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Color and Sheen Enhancement
"Aspen – Mission" Brick	Please refer to pages 24-43 of the report for individual recommendations based on the desired result.
"Cascade Spice – Smooth" Brick	
"Ebony – Mission" Brick	
"Chestnut – Mission" Brick	
"Harbor Mist – Mission" Brick	
"Mutual Used – Smooth" Brick	
"Ashland – Smooth" Brick	
"Coral Creek – Mission" Brick	
"Seattle Cream – Mission" Brick	
"Desert White – Smooth" Brick	
"Sheffield – Smooth" Brick	
"Inca – Mission" Brick	
"Forest Blend – Mission" Brick	
"Covington – Smooth" Brick	
"Redondo Gray – Mission" Brick	
"White – Smooth" Brick	
"Windsor – Smooth" Brick	

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.

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 AND PHOTOGRAPHS: 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 – Mission” Brick	Results in mL loss	Ranking
Untreated Control	-0.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

“Cascade Spice – Smooth” Brick	Results in mL loss	Ranking
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

“Ebony – Mission” Brick	Results in mL loss	Ranking
Untreated Control	-2.8	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

“Chestnut – Mission” Brick	Results in mL loss	Ranking
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-1.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

TEST RESULTS AND PHOTOGRAPHS: 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

“Harbor Mist – Mission” Brick	Results in mL loss	Ranking
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-1.1	<u>A</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	<u>AA</u>
PROSOCO® Saltguard®	-0.0	<u>AA</u>
PROSOCO® Silane 40	-0.0	<u>AA</u>

“Mutual Used – Smooth” Brick	Results in mL loss	Ranking
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-3.0	<u>BA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	<u>AA</u>
PROSOCO® Saltguard®	-0.0	<u>AA</u>
PROSOCO® Silane 40	-0.0	<u>AA</u>

“Ashland – Smooth” Brick	Results in mL loss	Ranking
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	<u>AA</u>
PROSOCO® Saltguard®	-0.0	<u>AA</u>
PROSOCO® Silane 40	-0.0	<u>AA</u>

“Coral Creek – Mission” Brick	Results in mL loss	Ranking
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-1.6	<u>A</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	<u>AA</u>
PROSOCO® Saltguard®	-0.0	<u>AA</u>
PROSOCO® Silane 40	-0.0	<u>AA</u>

TEST RESULTS AND PHOTOGRAPHS: 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

“Seattle Cream – Mission” Brick	Results in mL loss	Ranking
Untreated Control	-0.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

“Desert White – Smooth” Brick	Results in mL loss	Ranking
Untreated Control	-0.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

“Sheffield – Smooth” Brick	Results in mL loss	Ranking
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-2.0	A
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

“Inca – Mission” Brick	Results in mL loss	Ranking
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

TEST RESULTS AND PHOTOGRAPHS: 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

"Forest Blend – Mission" Brick	Results in mL loss	Ranking
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-3.0	BA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

"Covington – Smooth" Brick	Results in mL loss	Ranking
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-1.1	A
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

"Redondo Gray – Mission" Brick	Results in mL loss	Ranking
Untreated Control	-0.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

"White – Smooth" Brick	Results in mL loss	Ranking
Untreated Control	-0.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	AA
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	AA
PROSOCO® Saltguard®	-0.0	AA
PROSOCO® Silane 40	-0.0	AA

TEST RESULTS AND PHOTOGRAPHS: 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

“Windsor – Smooth” Brick	Results in mL loss	<u>Ranking</u>
Untreated Control	-5.0	--
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	-1.1	<u>A</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15	-0.0	<u>AA</u>
Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15	-0.0	<u>AA</u>
PROSOCO® Saltguard®	-0.0	<u>AA</u>
PROSOCO® Silane 40	-0.0	<u>AA</u>

CONCLUSIONS: Protective Water Repellents

Based on the laboratory evaluations, all of the treatments improved the water repellency of the submitted samples and most of the treatments provided above average water repellent protection.

Worth noting, although some of the untreated areas in the 20 minutes RILEM test absorbed no 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 the brick submitted by Mutual Materials, Bellevue, WA are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

Sample	Water Repellency
"Aspen – Mission" Brick	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6 OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 OR PROSOCO® Saltguard® OR PROSOCO® Silane 40
"Cascade Spice – Smooth" Brick	
"Ebony – Mission" Brick	
"Chestnut – Mission" Brick	
"Ashland – Smooth" Brick	
"Seattle Cream – Mission" Brick	
"Desert White – Smooth" Brick	
"Inca – Mission" Brick	
"Redondo Gray – Mission" Brick	
"White – Smooth" Brick	
"Harbor Mist – Mission" Brick	¹ Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 OR ¹ Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 OR ¹ PROSOCO® Saltguard® OR ¹ PROSOCO® Silane 40 OR ² Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6
"Coral Creek – Mission" Brick	
"Sheffield – Smooth" Brick	
"Covington – Smooth" Brick	
"Windsor – Smooth" Brick	
"Mutual Used – Smooth" Brick	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 OR PROSOCO® Saltguard® OR PROSOCO® Silane 40
"Forest Blend – Mission" Brick	

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.

TEST METHODS: Graffiti Resistance

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

Graffiti comes in many forms, many of which are low quality, readily available spray paints and markers. While those forms of graffiti are most common and may be easier to remove, the testing below was conducted with the graffiti types we have found to be the most resilient and hardest to remove in order to provide you with a “worst case scenario.” Always test in field conditions to verify intended performance.

Spray paint and marker 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® and Sure Klean® 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 and periodically agitate:
 SafStrip®..... 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 40-degree fan spray tip was used for rinsing.

Graffiti removal was evaluated visually using a scale from 0 to 10, with 0 indicating no removal of the graffiti agent and 10 indicating complete removal of the graffiti agent.

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance

“Aspen – Mission” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	4	4	4	4.0
Graffiti Remover	5	5	2	4.0
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	5	6.3
Graffiti Remover	7	7	3	5.7
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	8	9	8.3
Graffiti Remover	9	9	9	9.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	10	8.0
Graffiti Remover	8	8	10	8.7

“Cascade Spice – Smooth” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	6	6	6	6.0
Graffiti Remover	5	2	3	3.3
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	8	8	8.0
Graffiti Remover	9	8	8	8.3
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	10	10	9.3
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	8	10	8.7
Graffiti Remover	9	9	10	9.3

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Ebony – Mission” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	10	8.0
Graffiti Remover	8	8	10	8.7
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	8	10	8.7
Graffiti Remover	8	8	10	8.7
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	10	10	9.7
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	9	10	9.3
Graffiti Remover	10	10	10	10.0

“Chestnut – Mission” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	6	6	6.3
Graffiti Remover	8	6	4	6.0
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	8	7.3
Graffiti Remover	8	7	8	7.7
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	10	10	9.3
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	9	10	10	9.7

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Harbor Mist – Mission” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	5	5	5	5.0
Graffiti Remover	5	5	5	5.0
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	8	7.3
Graffiti Remover	8	8	8	8.0
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	10	10	9.7
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	9	10	9.3
Graffiti Remover	9	9	10	9.3

“Mutual Used – Smooth” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	10	8.0
Graffiti Remover	9	9	9	9.0
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	9	10	9.3
Graffiti Remover	8	9	10	9.0
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	10	10	9.7
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	10	10	9.7
Graffiti Remover	10	10	10	10.0

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Ashland – Smooth” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	5	6	6	5.7
Graffiti Remover	8	7	8	7.7
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	9	8	8.7
Graffiti Remover	9	8	7	8.0
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	10	10	9.7
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	9	9	10	9.3

“Coral Creek – Mission” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	6	6	10	7.3
Graffiti Remover	6	6	10	7.3
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	6	10	7.7
Graffiti Remover	8	8	10	8.7
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	10	10	9.3
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	9	10	10	9.7

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Seattle Cream – Mission” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	5	5	5	5.0
Graffiti Remover	5	5	3	4.3
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	6	6.7
Graffiti Remover	8	8	3	6.3
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	9	8	8.7
Graffiti Remover	9	9	8	8.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	8	10	8.3
Graffiti Remover	9	9	10	9.3

“Desert White – Smooth” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	5	5	2	4.0
Graffiti Remover	5	5	2	4.0
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	6	6	4	5.3
Graffiti Remover	6	6	4	5.3
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	9	7	8.3
Graffiti Remover	9	9	7	8.3
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	8	9	8.3
Graffiti Remover	8	8	9	8.3

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Sheffield – Smooth” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	10	8.0
Graffiti Remover	8	8	10	8.7
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	9	10	9.3
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	10	10	9.7
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	10	10	10	10.0

“Inca – Mission” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	5	5	8	6.0
Graffiti Remover	6	6	8	6.7
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	7	10	8.3
Graffiti Remover	8	8	10	8.7
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	8	10	8.7
Graffiti Remover	9	10	10	9.7

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Forest Blend – Mission” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	3	3	8	4.7
Graffiti Remover	5	3	8	5.3
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	10	8.0
Graffiti Remover	7	7	10	8.0
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	9	10	10	9.7
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	10	8.0
Graffiti Remover	9	9	10	9.3

“Covington – Smooth” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	6	6	10	7.3
Graffiti Remover	9	8	8	8.3
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	10	9	10	9.7
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	10	10	9.7
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	10	10	10	10.0

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Redondo Gray – Mission” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	4	4	4	4.0
Graffiti Remover	4	4	2	3.3
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	6	6	8	6.7
Graffiti Remover	7	7	6	6.7
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	9	9	10	9.3
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	6	8	10	8.0
Graffiti Remover	8	9	10	9.0

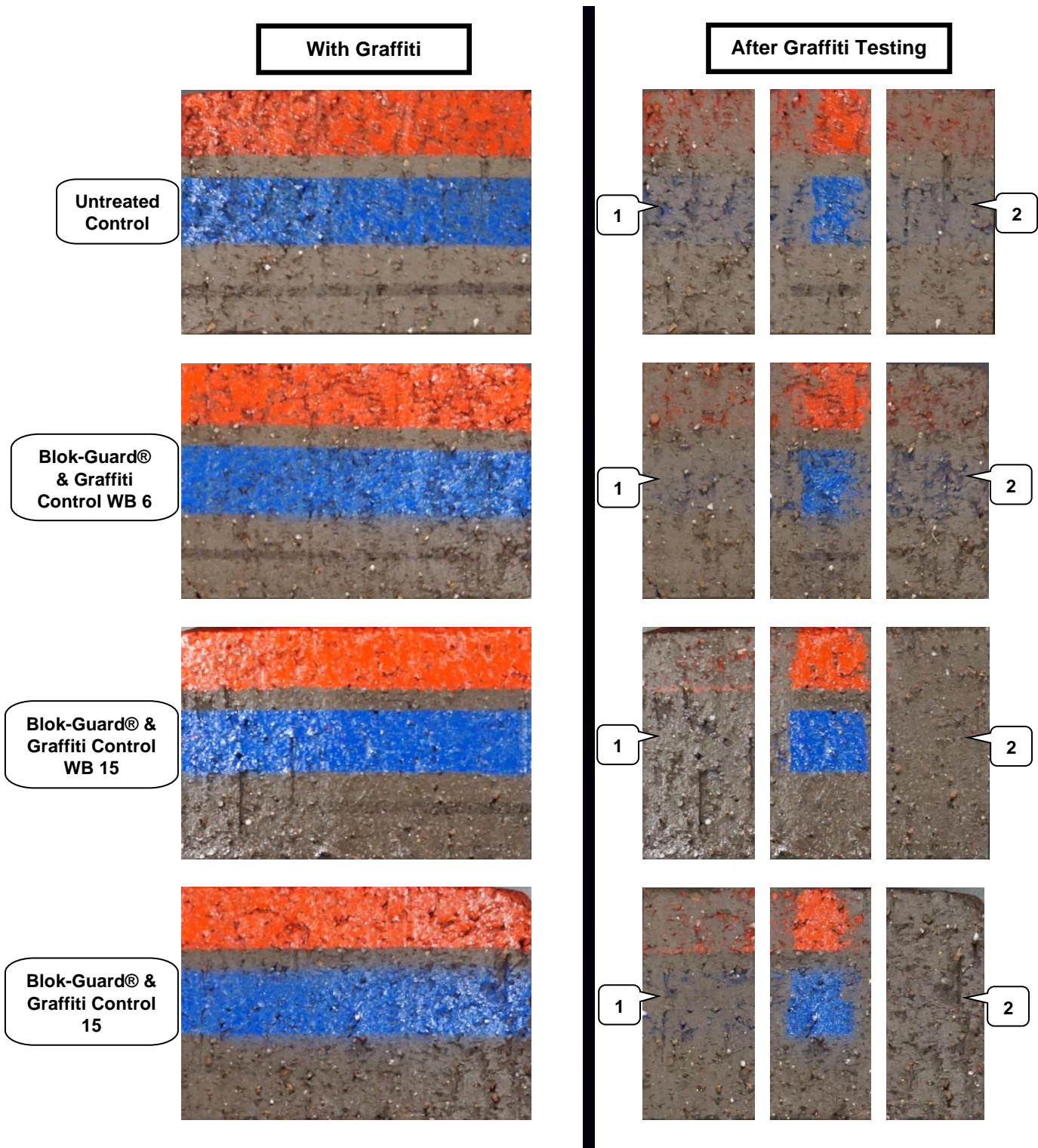
“White – Smooth” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	6	6	2	4.7
Graffiti Remover	6	6	2	4.7
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	7	4	6.0
Graffiti Remover	7	7	4	6.0
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	9	7	8.3
Graffiti Remover	9	9	7	8.3
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	8	8	8.0
Graffiti Remover	8	8	8	8.0

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Windsor – Smooth” Brick				
Untreated Control	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	7	8	9	8.0
Graffiti Remover	8	7	10	8.3
Blok-Guard® & Graffiti Control WB 6	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	8	8	10	8.7
Blok-Guard® & Graffiti Control WB 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	9	10	10	9.7
Graffiti Remover	10	10	10	10.0
Blok-Guard® & Graffiti Control 15	Red Paint	Blue Paint	Black Marker	Avg. Rating
SafStrip®	8	9	10	9.0
Graffiti Remover	10	10	10	10.0

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

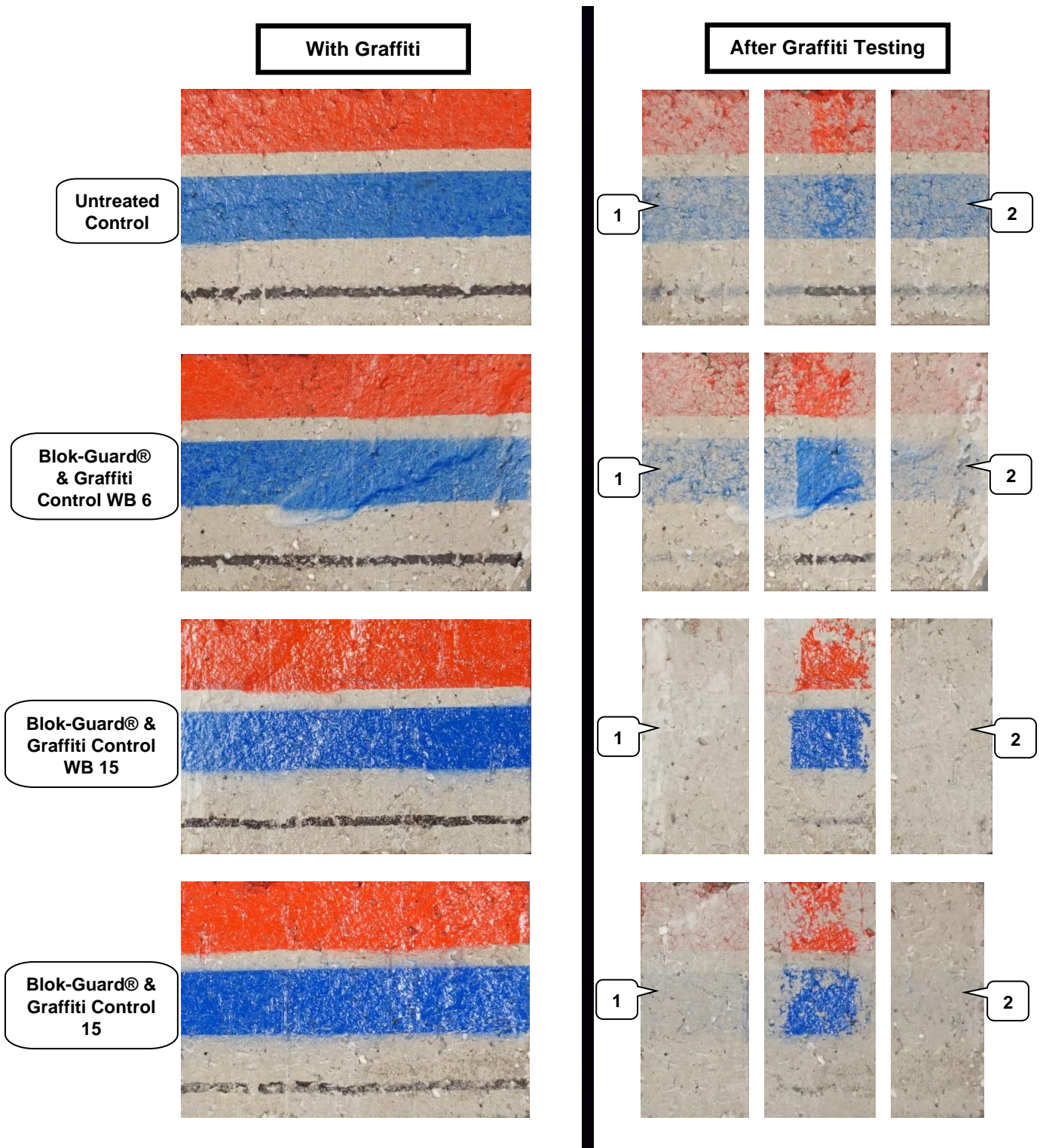
“Ebony - Mission” Brick



KEY
1 = SafStrip®
2 = Graffiti Remover

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

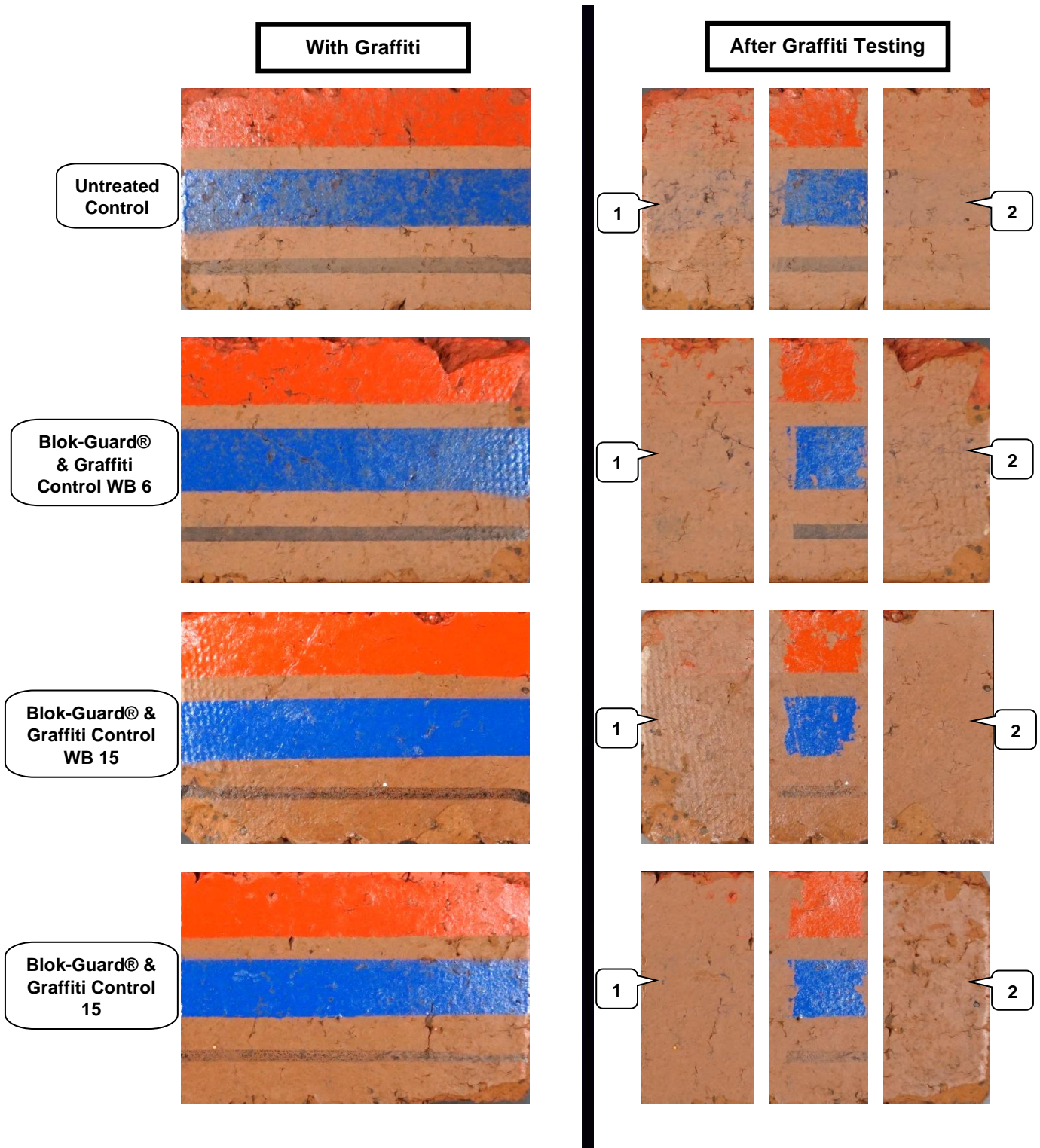
“Harbor Mist - Mission” Brick



KEY
1 = SafStrip®
2 = Graffiti Remover

TEST RESULTS AND PHOTOGRAPHS: Graffiti Resistance (cont.)

“Mutual Used - Smooth” Brick



KEY
1 = SafStrip®
2 = Graffiti Remover

CONCLUSIONS: Graffiti Resistance

Based on the laboratory evaluations, graffiti removal was improved with all three treatments. Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 and Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 were the most effective, followed by Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6

Enviro Klean® SafStrip® and Sure Klean® Graffiti Remover were both effective in removing graffiti from the submitted samples. However, Sure Klean® Graffiti Remover was the most effective.

On-site testing is always recommended to ensure the desired result. Heavy graffiti staining may require more than one application of the graffiti remover.

RECOMMENDATIONS: Graffiti Resistance

Recommendations for graffiti resistance for the brick submitted by Mutual Materials, Bellevue, WA 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. Heavy graffiti staining may require more than one application of the graffiti remover.

Sample	Graffiti Repellents	Graffiti Removers
"Aspen – Mission" Brick	¹ Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 OR ¹ Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 15 OR ² Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 6	¹ Sure Klean® Graffiti Remover OR ² Enviro Klean® SafStrip®
"Cascade Spice – Smooth" Brick		
"Ebony – Mission" Brick		
"Chestnut – Mission" Brick		
"Harbor Mist – Mission" Brick		
"Mutual Used – Smooth" Brick		
"Ashland – Smooth" Brick		
"Coral Creek – Mission" Brick		
"Seattle Cream – Mission" Brick		
"Desert White – Smooth" Brick		
"Sheffield – Smooth" Brick		
"Inca – Mission" Brick		
"Forest Blend – Mission" Brick		
"Covington – Smooth" Brick		
"Redondo Gray – Mission" Brick		
"White – Smooth" Brick		
"Windsor – Smooth" Brick		

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.