

Pallet Tag Program Laboratory Report

# Northfield Block Company an Oldcastle Company Morris, IL



Project No. 2301-03 PTP

**Prepared For:** 



# Prepared By:

J. Succe Conadoll

J. Lucas Comadoll Project Testing Technician AMT Laboratories

March 2023



# LABORATORY REPORT

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

FOR: Jack Sykes, Oldcastle APG cc: Mike Dickey, Dicley Sales, LLC Jake Boyer, PROSOCO, Inc. Al Morris, PROSOCO, Inc.

| SUBJECT: | Northfield Block Company an Oldcastle Company | DATE:    | March 1, 2023 |
|----------|---|----------|---------------|
|          | Morris, IL                                    | PROJECT: | 2301-03 PTP   |
|          | Pallet Tag Evaluation                         |          |               |

**SAMPLES SUBMITTED:** Fourteen types of full bed depth concrete masonry stone veneers with an integral water repellent

| Sample   | Name            | Texture      | Color            | Size        |
|--|-----------------|--------------|------------------|-------------|
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | CORDOVA Stone®  | Ground Face  | "Alabaster"      | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | CORDOVA Stone®  | Ground Face  | "Buff"           | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | CORDOVA Stone®  | Ground Face  | "Graphite"       | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | CORDOVA Stone®  | Ground Face  | "Limestone"      | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | CORDOVA Stone®  | Ground Face  | "Midnight"       | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | CORDOVA Stone®  | Texture Face | "Alabaster"      | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | CORDOVA Stone®  | Texture Face | "Buff"           | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | CORDOVA Stone®  | Texture Face | "Graphite"       | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | CORDOVA Stone®  | Texture Face | "Limestone"      | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | CORDOVA Stone®  | Texture Face | "Midnight"       | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | Franklin Stone® | Smooth Face  | "Congress Tan"   | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | Franklin Stone® | Smooth Face  | "Liberty Gray"   | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | Franklin Stone® | Smooth Face  | "Monument White" | 3 ½" x 3 ¼" |
| (12) Full Bed Depth Concrete<br>Masonry Stone Veneer | Franklin Stone® | Smooth Face  | "Senate Sage"    | 3 ½" x 3 ¼" |

SUBMITTED BY: Luke Acosta Northfield Block Company 3400 Bungalow Rd Morris, IL 60450



### PURPOSE OF TEST:

- To determine the most appropriate PROSOCO, Inc. new construction cleaner(s) for the submitted samples.
- To evaluate the color and sheen enhancement characteristics of specific PROSOCO, Inc. products on the submitted samples.
- To determine the effectiveness of appropriate PROSOCO, Inc. products in preventing the penetration of, and simplifying the removal of, graffiti staining on the submitted samples.

# NOTE: Some of the submitted samples 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® Light Duty Concrete Cleaner | 1:3, 1:6  |
| Sure Klean® Vana Trol®                  | 1:6, 1:8  |
| Enviro Klean® Safety Klean              | 1:2, 1:3  |

| Color and Sheen Enhancement/Graffiti Resistance               | Dilution: |
|---|-----------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | N/A*      |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | N/A*      |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 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® Light Duty Concrete Cleaner, 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 concrete masonry stone veneer.

<u>Surface Finish Removal</u> 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.

<u>Substrate Deterioration</u> 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.

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

**<u>Staining</u>** 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:

| Light Duty Concrete Cleaner | 5 minutes |
|-----------------------------|-----------|
| Vana Trol®                  |           |
| 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.



| Name: "Alabaster" Ground Face CORDOVA Stone® |          |                           |                            |                 |          |  |
|--|----------|---------------------------|----------------------------|-----------------|----------|--|
| Product                                      | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |  |
| Light Duty Concrete Cleaner                  | 1:3      | 1*                        | 1*                         | 0               | 0        |  |
| Light Duty Concrete Cleaner                  | 1:6      | 1*                        | 1*                         | 0               | 0        |  |
| Vana Trol®                                   | 1:6      | 1                         | 1                          | 0               | 0        |  |
| Vana Trol®                                   | 1:8      | 1*                        | 1*                         | 0               | 0        |  |
| Safety Klean                                 | 1:2      | 1                         | 1                          | 0               | 0        |  |
| Safety Klean                                 | 1:3      | 1                         | 1                          | 0               | 0        |  |

### \*NOTE: Very slight change compared to uncleaned surface.

# Uncleaned Surface Light Duty Concrete Light Duty Concrete Cleaner Cleaner (1:3) (1:6) Vana Trol® Vana Trol® (1:6) (1:8) Safety Klean (1:2) Safety Klean (1:3)

#### "Alabaster" Ground Face CORDOVA Stone® After Cleaning



| Name: "Buff" Ground Face CORDOVA Stone® |          |                           |                            |                 |          |  |
|---|----------|---------------------------|----------------------------|-----------------|----------|--|
| Product                                 | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |  |
| Light Duty Concrete Cleaner             | 1:3      | 1*                        | 1*                         | 0               | 0        |  |
| Light Duty Concrete Cleaner             | 1:6      | 1*                        | 1*                         | 0               | 0        |  |
| Vana Trol®                              | 1:6      | 1                         | 1                          | 0               | 0        |  |
| Vana Trol®                              | 1:8      | 1                         | 1                          | 0               | 0        |  |
| Safety Klean                            | 1:2      | 1                         | 1                          | 0               | 0        |  |
| Safety Klean                            | 1:3      | 1                         | 1                          | 0               | 0        |  |

### \*NOTE: Very slight change compared to uncleaned surface.

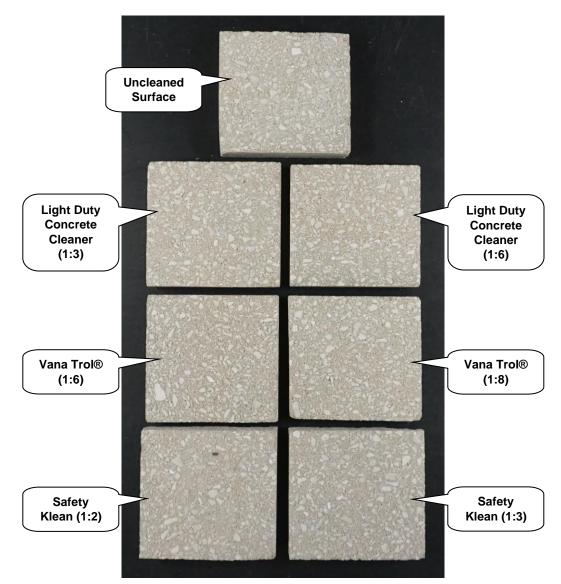
# Uncleaned Surface Light Duty Concrete Light Duty Concrete Cleaner Cleaner (1:3) (1:6) Vana Trol® Vana Trol® (1:6) (1:8) Safety Klean (1:2) Safety Klean (1:3)

#### "Buff" Ground Face CORDOVA Stone® After Cleaning



| Name: "Graphite" Ground Face CORDOVA Stone® |          |                           |                            |                 |          |  |
|---|----------|---------------------------|----------------------------|-----------------|----------|--|
| Product                                     | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |  |
| Light Duty Concrete Cleaner                 | 1:3      | 1*                        | 1*                         | 0               | 0        |  |
| Light Duty Concrete Cleaner                 | 1:6      | 1*                        | 1*                         | 0               | 0        |  |
| Vana Trol®                                  | 1:6      | 1                         | 1                          | 0               | 0        |  |
| Vana Trol®                                  | 1:8      | 1                         | 1                          | 0               | 0        |  |
| Safety Klean                                | 1:2      | 1                         | 1                          | 0               | 0        |  |
| Safety Klean                                | 1:3      | 1                         | 1                          | 0               | 0        |  |

### \*NOTE: Very slight change compared to uncleaned surface.



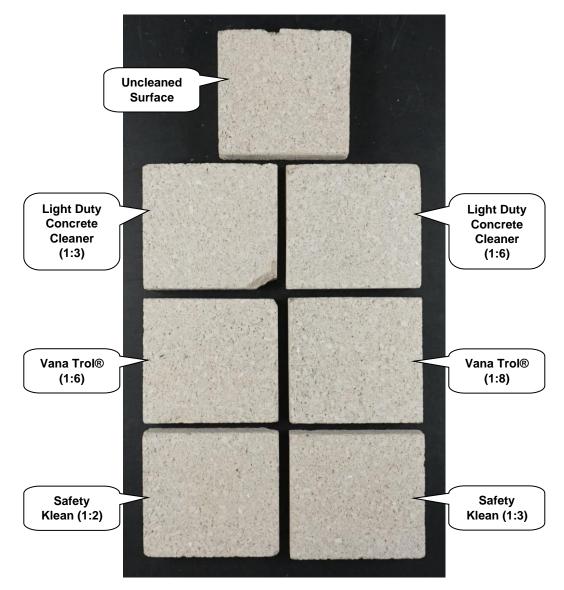
"Graphite" Ground Face CORDOVA Stone® After Cleaning



| Name: "Limestone" Ground Face CORDOVA Stone® |          |                           |                            |                 |          |  |  |
|--|----------|---------------------------|----------------------------|-----------------|----------|--|--|
| Product                                      | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |  |  |
| Light Duty Concrete Cleaner                  | 1:3      | 1*                        | 1*                         | 0               | 0        |  |  |
| Light Duty Concrete Cleaner                  | 1:6      | 1*                        | 1*                         | 0               | 0        |  |  |
| Vana Trol®                                   | 1:6      | 1                         | 1                          | 0               | 0        |  |  |
| Vana Trol®                                   | 1:8      | 1                         | 1                          | 0               | 0        |  |  |
| Safety Klean                                 | 1:2      | 1                         | 1                          | 0               | 0        |  |  |
| Safety Klean                                 | 1:3      | 1                         | 1                          | 0               | 0        |  |  |

### \*NOTE: Very slight change compared to uncleaned surface.

### "Limestone" Ground Face CORDOVA Stone® After Cleaning

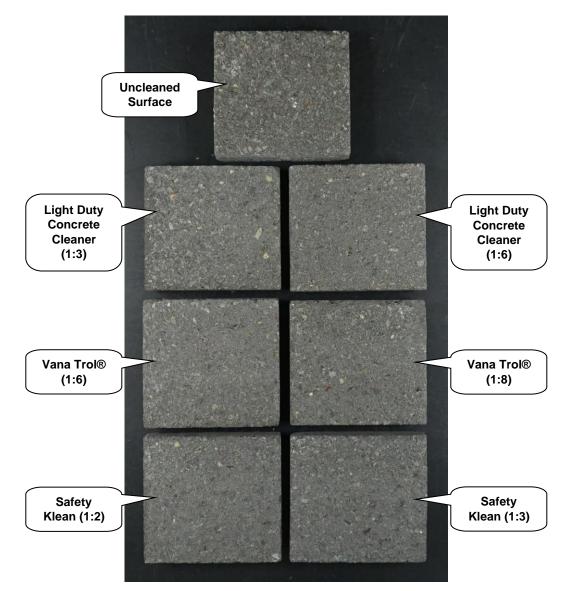




| Name: "Midnight" Ground Face CORDOVA Stone® |          |                           |                            |                 |          |  |
|---|----------|---------------------------|----------------------------|-----------------|----------|--|
| Product                                     | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |  |
| Light Duty Concrete Cleaner                 | 1:3      | 1*                        | 1*                         | 0               | 0        |  |
| Light Duty Concrete Cleaner                 | 1:6      | 1*                        | 1*                         | 0               | 0        |  |
| Vana Trol®                                  | 1:6      | 1                         | 1                          | 0               | 0        |  |
| Vana Trol®                                  | 1:8      | 1*                        | 1*                         | 0               | 0        |  |
| Safety Klean                                | 1:2      | 1                         | 1                          | 0               | 0        |  |
| Safety Klean                                | 1:3      | 1                         | 1                          | 0               | 0        |  |

### \*NOTE: Very slight change compared to uncleaned surface.

### "Midnight" Ground Face CORDOVA Stone® After Cleaning

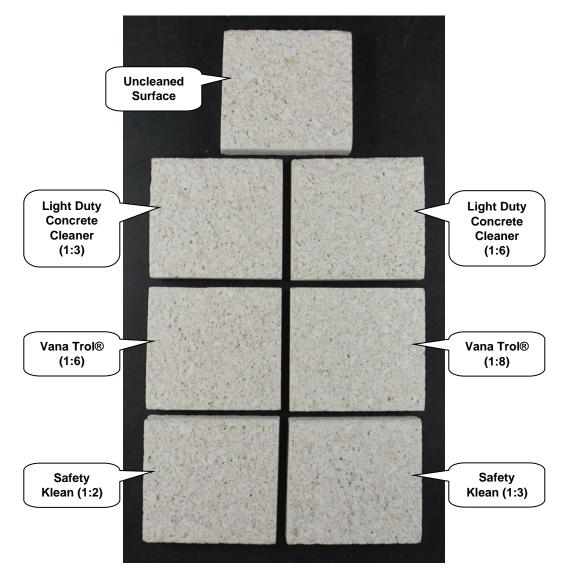




| Name: "Alabaster" Texture Face CORDOVA Stone® |          |                           |                            |                 |          |  |  |
|---|----------|---------------------------|----------------------------|-----------------|----------|--|--|
| Product                                       | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |  |  |
| Light Duty Concrete Cleaner                   | 1:3      | 1*                        | 1*                         | 0               | 0        |  |  |
| Light Duty Concrete Cleaner                   | 1:6      | 1*                        | 1*                         | 0               | 0        |  |  |
| Vana Trol®                                    | 1:6      | 1*                        | 1*                         | 0               | 0        |  |  |
| Vana Trol®                                    | 1:8      | 1*                        | 1*                         | 0               | 0        |  |  |
| Safety Klean                                  | 1:2      | 1                         | 1                          | 0               | 0        |  |  |
| Safety Klean                                  | 1:3      | 1                         | 1                          | 0               | 0        |  |  |

### \*NOTE: Very slight change compared to uncleaned surface.

### "Alabaster" Texture Face CORDOVA Stone® After Cleaning





| Name: "Buff" Texture Face CORDOVA Stone® |          |                           |                            |                 |          |  |
|--|----------|---------------------------|----------------------------|-----------------|----------|--|
| Product                                  | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |  |
| Light Duty Concrete Cleaner              | 1:3      | 1*                        | 1*                         | 0               | 0        |  |
| Light Duty Concrete Cleaner              | 1:6      | 1*                        | 1*                         | 0               | 0        |  |
| Vana Trol®                               | 1:6      | 1                         | 1                          | 0               | 0        |  |
| Vana Trol®                               | 1:8      | 1                         | 1                          | 0               | 0        |  |
| Safety Klean                             | 1:2      | 1                         | 1                          | 0               | 0        |  |
| Safety Klean                             | 1:3      | 1                         | 1                          | 0               | 0        |  |

\*NOTE: Very slight change compared to uncleaned surface.

# Uncleaned Surface Light Duty Concrete Light Duty Concrete Cleaner Cleaner (1:3) (1:6) Vana Trol® Vana Trol® (1:6) (1:8) Safety Safety Klean (1:2) Klean (1:3)

### "Buff" Texture Face CORDOVA Stone® After Cleaning



| Name: "Graphite" Texture Face CORDOVA Stone® |          |                           |                            |                 |          |
|--|----------|---------------------------|----------------------------|-----------------|----------|
| Product                                      | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |
| Light Duty Concrete Cleaner                  | 1:3      | 1*                        | 1*                         | 0               | 0        |
| Light Duty Concrete Cleaner                  | 1:6      | 1*                        | 1*                         | 0               | 0        |
| Vana Trol®                                   | 1:6      | 1*                        | 1*                         | 0               | 0        |
| Vana Trol®                                   | 1:8      | 1*                        | 1*                         | 0               | 0        |
| Safety Klean                                 | 1:2      | 1*                        | 1*                         | 0               | 0        |
| Safety Klean                                 | 1:3      | 1*                        | 1*                         | 0               | 0        |

### \*NOTE: Very slight change compared to uncleaned surface.

# Uncleaned Surface Light Duty Concrete Light Duty Concrete Cleaner Cleaner (1:3) (1:6) Vana Trol® Vana Trol® (1:6) (1:8) Safety Safety Klean (1:2) Klean (1:3)

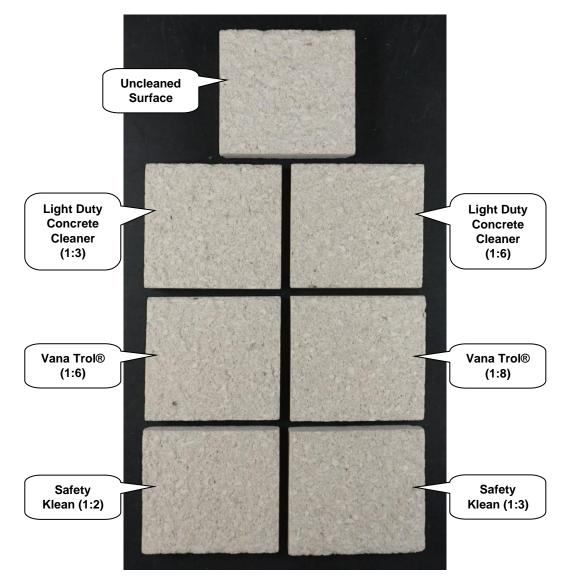
### "Graphite" Texture Face CORDOVA Stone® After Cleaning



| Name: "Limestone" Texture Face CORDOVA Stone® |          |                           |                            |                 |          |
|---|----------|---------------------------|----------------------------|-----------------|----------|
| Product                                       | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |
| Light Duty Concrete Cleaner                   | 1:3      | 1*                        | 1*                         | 0               | 0        |
| Light Duty Concrete Cleaner                   | 1:6      | 1*                        | 1*                         | 0               | 0        |
| Vana Trol®                                    | 1:6      | 1*                        | 1*                         | 0               | 0        |
| Vana Trol®                                    | 1:8      | 1*                        | 1*                         | 0               | 0        |
| Safety Klean                                  | 1:2      | 1                         | 1                          | 0               | 0        |
| Safety Klean                                  | 1:3      | 1                         | 1                          | 0               | 0        |

### \*NOTE: Very slight change compared to uncleaned surface.

### "Limestone" Texture Face CORDOVA Stone® After Cleaning





| Name: "Midnight" Texture Face CORDOVA Stone® |          |                           |                            |                 |          |
|--|----------|---------------------------|----------------------------|-----------------|----------|
| Product                                      | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |
| Light Duty Concrete Cleaner                  | 1:3      | 1*                        | 1*                         | 0               | 0        |
| Light Duty Concrete Cleaner                  | 1:6      | 1*                        | 1*                         | 0               | 0        |
| Vana Trol®                                   | 1:6      | 1                         | 1                          | 0               | 0        |
| Vana Trol®                                   | 1:8      | 1                         | 1                          | 0               | 0        |
| Safety Klean                                 | 1:2      | 1                         | 1                          | 0               | 0        |
| Safety Klean                                 | 1:3      | 1                         | 1                          | 0               | 0        |

### \*NOTE: Very slight change compared to uncleaned surface.

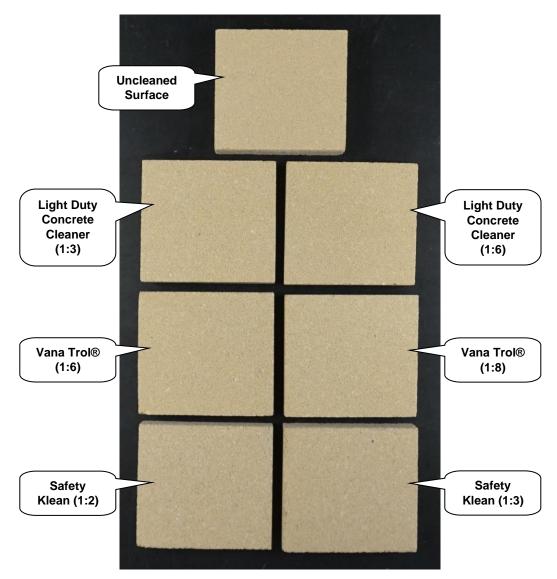
# Uncleaned Surface Light Duty Concrete Light Duty Concrete Cleaner Cleaner (1:3) (1:6) Vana Trol® Vana Trol® (1:6) (1:8) Safety Safety Klean (1:2) Klean (1:3)

### "Midnight" Texture Face CORDOVA Stone® After Cleaning



| Name: "Congress Tan" Smooth Face Franklin Stone® |          |                           |                            |                 |          |
|--|----------|---------------------------|----------------------------|-----------------|----------|
| Product  | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |
| Light Duty Concrete Cleaner                      | 1:3      | 1                         | 1                          | 0               | 0        |
| Light Duty Concrete Cleaner                      | 1:6      | 1                         | 1                          | 0               | 0        |
| Vana Trol®                                       | 1:6      | 1                         | 1                          | 0               | 0        |
| Vana Trol®                                       | 1:8      | 1                         | 1                          | 0               | 0        |
| Safety Klean                                     | 1:2      | 2                         | 2                          | 0               | 0        |
| Safety Klean                                     | 1:3      | 2                         | 2                          | 0               | 0        |

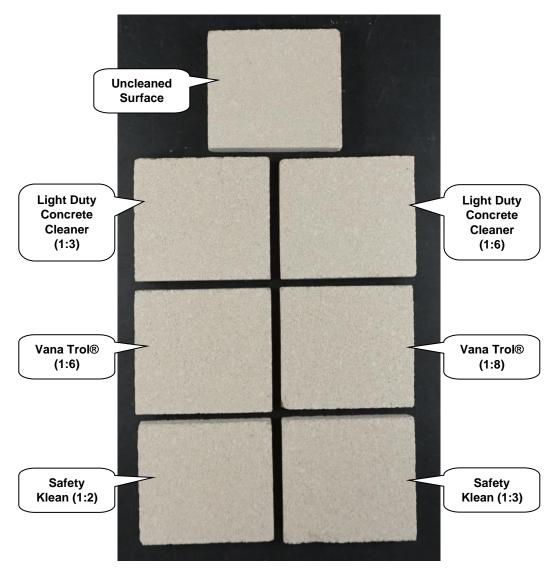






| Name: "Liberty Gray" Smooth Face Franklin Stone® |          |                           |                            |                 |          |
|--|----------|---------------------------|----------------------------|-----------------|----------|
| Product  | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |
| Light Duty Concrete Cleaner                      | 1:3      | 1                         | 1                          | 0               | 0        |
| Light Duty Concrete Cleaner                      | 1:6      | 1                         | 1                          | 0               | 0        |
| Vana Trol®                                       | 1:6      | 1                         | 1                          | 0               | 0        |
| Vana Trol®                                       | 1:8      | 1                         | 1                          | 0               | 0        |
| Safety Klean                                     | 1:2      | 2                         | 2                          | 0               | 0        |
| Safety Klean                                     | 1:3      | 2                         | 2                          | 0               | 0        |

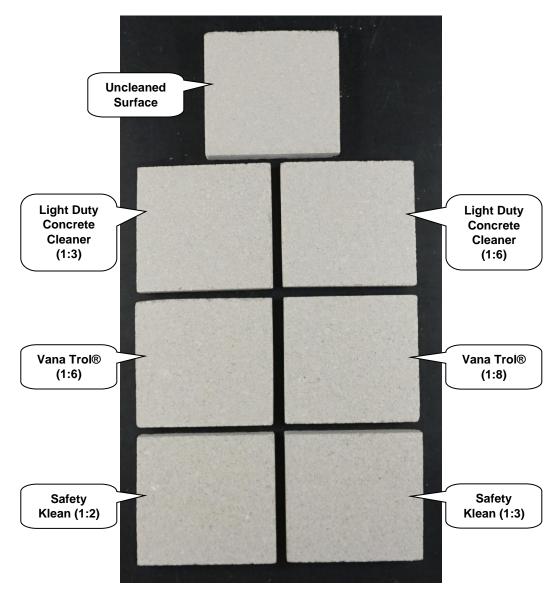






| Name: "Monument White" Smooth Face Franklin Stone® |          |                           |                            |                 |          |
|--|----------|---------------------------|----------------------------|-----------------|----------|
| Product  | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |
| Light Duty Concrete Cleaner                        | 1:3      | 1                         | 1                          | 0               | 0        |
| Light Duty Concrete Cleaner                        | 1:6      | 1                         | 1                          | 0               | 0        |
| Vana Trol®   | 1:6      | 2                         | 2                          | 0               | 0        |
| Vana Trol®   | 1:8      | 2                         | 2                          | 0               | 0        |
| Safety Klean                                       | 1:2      | 2                         | 2                          | 0               | 0        |
| Safety Klean                                       | 1:3      | 2                         | 2                          | 0               | 0        |

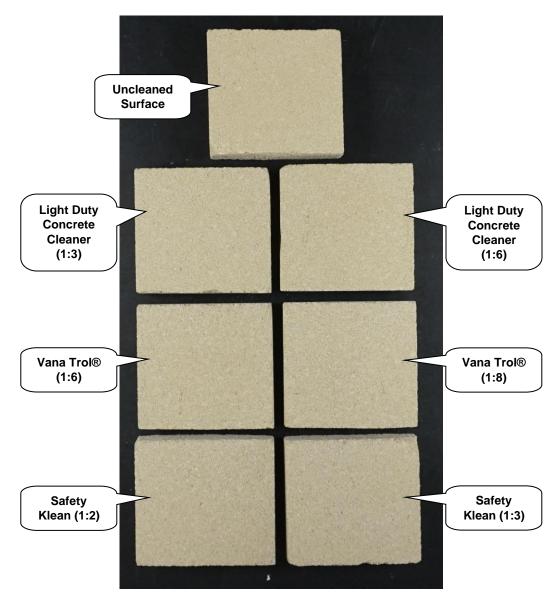
# "Monument White" Smooth Face Franklin Stone® After Cleaning





| Name: "Senate Sage" Smooth Face Franklin Stone® |          |                           |                            |                 |          |
|---|----------|---------------------------|----------------------------|-----------------|----------|
| Product   | Dilution | Surface Finish<br>Removal | Substrate<br>Deterioration | Color<br>Change | Staining |
| Light Duty Concrete Cleaner                     | 1:3      | 1                         | 1                          | 0               | 0        |
| Light Duty Concrete Cleaner                     | 1:6      | 1                         | 1                          | 0               | 0        |
| Vana Trol®                                      | 1:6      | 2                         | 2                          | 0               | 0        |
| Vana Trol®                                      | 1:8      | 2                         | 2                          | 0               | 0        |
| Safety Klean                                    | 1:2      | 2                         | 2                          | 0               | 0        |
| Safety Klean                                    | 1:3      | 2                         | 2                          | 0               | 0        |

# "Senate Sage" Smooth Face Franklin Stone® After Cleaning





### **CONCLUSIONS: New Construction Cleaning**

In most of the cleaning tests conducted, all three new construction cleaners caused a very slight to slight amount of surface finish removal and substrate deterioration, exposing a very small amount of internal aggregate on the submitted concrete masonry stone veneers. However, a moderate amount of surface finish removal and substrate deterioration was observed when cleaning some of the Franklin® Stone samples with Sure Klean® Vana Trol® and Enviro Klean® Safety Klean, resulting in the exposure of a moderate amount of internal aggregate.

When choosing the most appropriate product for the desired result:

- 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 an effective, safe alternative to acidic cleaning compounds test Enviro Klean® Safety Klean

It is recommended that the selected cleaners always be used in the lowest possible concentration. Apply all products in accordance with the manufacturer's recommendations provided on container labels and product data sheets. On-site testing should be conducted to determine the most appropriate cleaning product and procedures for a particular project. See product literature for additional application and product information.



### **RECOMMENDATIONS: New Construction Cleaning**

Recommendations for cleaning the concrete masonry stone veneer submitted by Northfield Block Company, Morris, IL are provided in the chart below. Recommendations are based on the cleaner and dilution that provided the best match to the uncleaned surface.

| Sample   | New Construction Cleaning  |
|--|--|
| "Alabaster" Ground Face CORDOVA Stone®                                       |  |
| "Buff" Ground Face CORDOVA Stone®  |  |
| "Graphite" Ground Face CORDOVA Stone®  |  |
| "Limestone" Ground Face CORDOVA Stone®                                       | Sure Klean® Light Duty Concrete Cleaner (1:3) or (1:6)   |
| "Midnight" Ground Face CORDOVA Stone®  | OR<br>Sure Klean® Vana Trol® (1:6) or (1:8)  |
| "Alabaster" Texture Face CORDOVA Stone®                                      | OR   |
| "Buff" Texture Face CORDOVA Stone®<br>"Graphite" Texture Face CORDOVA Stone® | Enviro Klean® Safety Klean (1:2) or (1:3)  |
|  |  |
| "Limestone" Texture Face CORDOVA Stone®                                      |  |
| "Midnight" Texture Face CORDOVA Stone®                                       |  |
| "Congress Tan" Smooth Face Franklin Stone®                                   | <sup>1</sup> Sure Klean® Light Duty Concrete Cleaner (1:3) or (1:6)<br>OR  |
| "Liberty Gray" Smooth Face Franklin Stone®                                   | <sup>1</sup> Sure Klean® Vana Trol® (1:6) or (1:8)<br>OR<br><sup>2</sup> Enviro Klean® Safety Klean (1:2) or (1:3) |
| "Monument White" Smooth Face Franklin Stone®                                 | <sup>1</sup> Sure Klean® Light Duty Concrete Cleaner (1:3) or (1:6)<br>OR  |
| "Senate Sage" Smooth Face Franklin Stone®                                    | <sup>2</sup> Sure Klean® Vana Trol® (1:6) or (1:8)<br>OR<br><sup>2</sup> Enviro Klean® Safety Klean (1:2) or (1:3) |

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 masonry stone veneers were cleaned with Sure Klean® Light Duty Concrete Cleaner diluted with three 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 9, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15, and Sure Klean® Weather Seal Sacrificial Coating SC-1 were applied in accordance with the current PROSOCO, Inc. Product Data Sheet instructions for porous surfaces and allowed to cure for at least 72 hours prior to testing.

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

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

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

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



| "Alabaster" Ground Face CORDOVA Stone®                        | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 1*                   |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

\*NOTE: Very slight enhancement compared to untreated control.



"Alabaster" Ground Face CORDOVA Stone® After Application



| "Buff" Ground Face CORDOVA Stone®                             | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 1*                   |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

\*NOTE: Very slight enhancement compared to untreated control.

Untreated Control Blok-Guard® & Graffiti Control 9 Blok-Guard® & Graffiti Control WB 15 Sacrificial Coating SC-1

"Buff" Ground Face CORDOVA Stone® After Application



| "Graphite" Ground Face CORDOVA Stone®                         | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 1*                   |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

\*NOTE: Very slight enhancement compared to untreated control.

| Untreated<br>Control                       | Blok-Guard®<br>& Graffiti<br>Control 9 |
|--|--|
| Blok-Guard®<br>& Graffiti<br>Control WB 15 | Sacrificial<br>Coating SC-1            |

"Graphite" Ground Face CORDOVA Stone® After Application



| "Limestone" Ground Face CORDOVA Stone®                        | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 1*                   |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

\*NOTE: Very slight enhancement compared to untreated control.

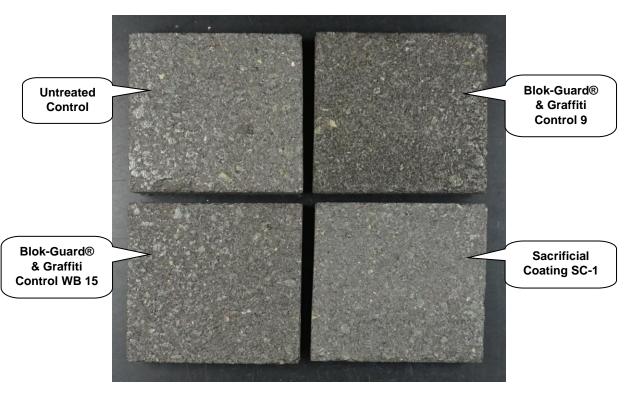


"Limestone" Ground Face CORDOVA Stone® After Application



| "Midnight" Ground Face CORDOVA Stone®                         | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 2                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 1*                   |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

\*NOTE: Very slight enhancement compared to untreated control.



"Midnight" Ground Face CORDOVA Stone® After Application



| "Alabaster" Texture Face CORDOVA Stone®                       | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 0                    |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

\*NOTE: Very slight enhancement compared to untreated control.

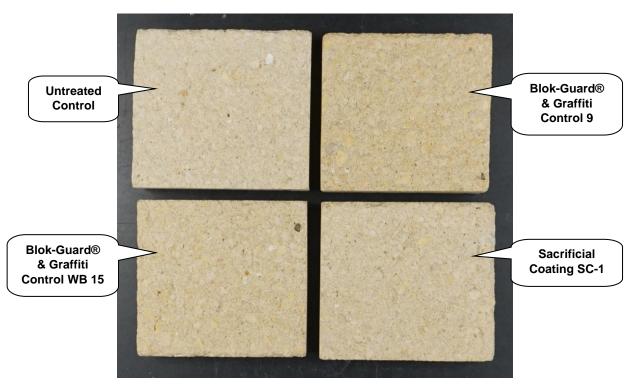


"Alabaster" Texture Face CORDOVA Stone® After Application



| "Buff" Texture Face CORDOVA Stone®                            | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 0                    |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

# \*NOTE: Very slight enhancement compared to untreated control.



# "Buff" Texture Face CORDOVA Stone® After Application



| "Graphite" Texture Face CORDOVA Stone®                        | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 0                    |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

# \*NOTE: Very slight enhancement compared to untreated control.

| Untreated<br>Control                       |  | Blok-Guard®<br>& Graffiti<br>Control 9 |
|--|--|--|
| Blok-Guard®<br>& Graffiti<br>Control WB 15 |  | Sacrificial<br>Coating SC-1            |

"Graphite" Texture Face CORDOVA Stone® After Application



| "Limestone" Texture Face CORDOVA Stone®                       | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 0                    |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

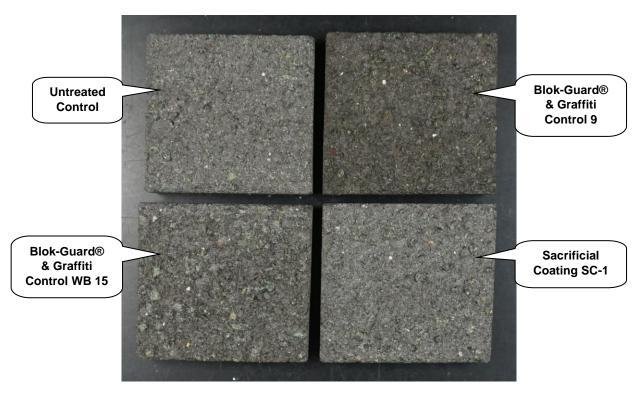
# \*NOTE: Very slight enhancement compared to untreated control.







| "Midnight" Texture Face CORDOVA Stone®                        | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 2                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1                    | 0                    |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |



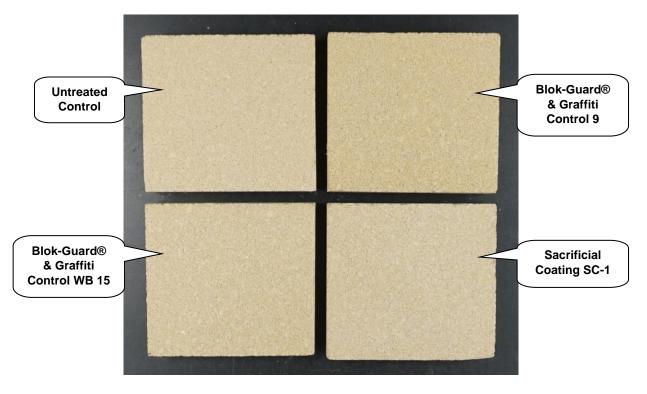
# "Midnight" Texture Face CORDOVA Stone® After Application



| "Congress Tan" Smooth Face Franklin Stone®                    | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 0                    |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

### \*NOTE: Very slight enhancement compared to untreated control.

"Congress Tan" Smooth Face Franklin Stone® After Application





| "Liberty Gray" Smooth Face Franklin Stone®                    | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 0                    |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

# \*NOTE: Very slight enhancement compared to untreated control.

"Liberty Gray" Smooth Face Franklin Stone® After Application

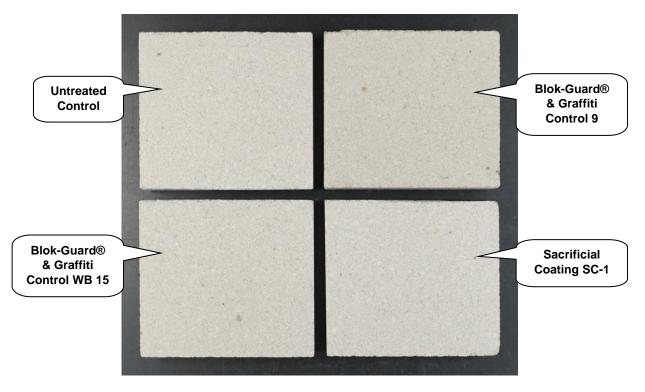




| "Monument White" Smooth Face Franklin Stone®                  | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 0                    |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

\*NOTE: Very slight enhancement compared to untreated control.



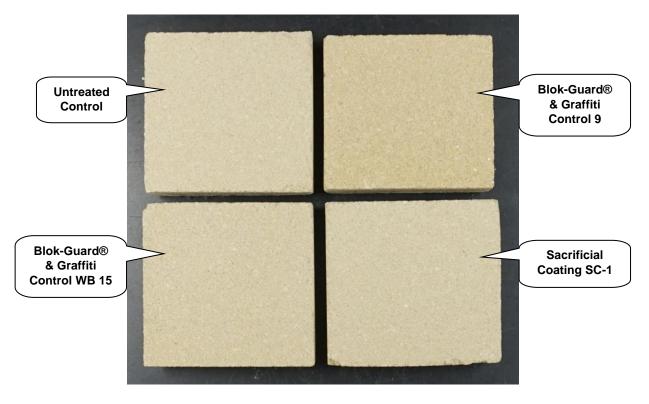




| "Senate Sage" Smooth Face Franklin Stone®                     | Color<br>Enhancement | Sheen<br>Enhancement |
|---|----------------------|----------------------|
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control 9     | 1                    | 0                    |
| Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 | 1*                   | 0                    |
| Sure Klean® Weather Seal Sacrificial Coating SC-1             | 0                    | 0                    |

# \*NOTE: Very slight enhancement compared to untreated control.

"Senate Sage" Smooth Face Franklin Stone® After Application





### **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 amount of sheen enhancement to the Ground Face CORDOVA Stone® samples. None of the other treatments provided any sheen enhancement to any of the submitted samples.

Please refer to pages 21-36 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 on the concrete masonry stone veneer submitted by Northfield Block Company, Morris, IL are provided in the chart below. Recommendations are based on the treatment(s) that proved most effective.

| Sample                                       | Color and Sheen Enhancement                              |
|--|--|
| "Alabaster" Ground Face CORDOVA Stone®       |  |
| "Buff" Ground Face CORDOVA Stone®            |  |
| "Graphite" Ground Face CORDOVA Stone®        |  |
| "Limestone" Ground Face CORDOVA Stone®       |  |
| "Midnight" Ground Face CORDOVA Stone®        |  |
| "Alabaster" Texture Face CORDOVA Stone®      |  |
| "Buff" Texture Face CORDOVA Stone®           | Please refer to pages 21-36 of the report for individual |
| "Graphite" Texture Face CORDOVA Stone®       | recommendations based on the desired result.             |
| "Limestone" Texture Face CORDOVA Stone®      |  |
| "Midnight" Texture Face CORDOVA Stone®       |  |
| "Congress Tan" Smooth Face Franklin Stone®   |  |
| "Liberty Gray" Smooth Face Franklin Stone®   |  |
| "Monument White" Smooth Face Franklin Stone® |  |
| "Senate Sage" Smooth Face Franklin Stone®    |  |

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



#### **TEST METHODS: 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® 8 and Sure Klean® Graffiti Remover.

Chemical cleaners were evaluated using the following procedure:

- 1. Apply the product to a dry surface, soiled with graffiti.
- 3. Rinse thoroughly until water runs clear. \*
- 4. Allow the surface to dry thoroughly and visually examine to determine effectiveness.

\***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.



| "Alabaster" Ground Face CORDOVA Stone®           |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                                | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                                 | 5            | 5              | 2               | 4.0             |
| Blok-Guard® & Graffiti Control 9                 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                                 | 7            | 7              | 10              | 8.0             |
| Blok-Guard <sup>®</sup> & Graffiti Control WB 15 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 8            | 8              | 10              | 8.7             |
| Graffiti Remover                                 | 9            | 9              | 10              | 9.3             |
| Sacrificial Coating SC-1                         | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 9            | 9              | 9               | 9.0             |
| Graffiti Remover                                 | 9            | 9              | 6               | 8.0             |

| "Buff" Ground Face CORDOVA Stone®    |              |                |                 |                 |
|--------------------------------------|--------------|----------------|-----------------|-----------------|
| Untreated Control                    | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                          | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                     | 5            | 4              | 3               | 4.0             |
| Blok-Guard® & Graffiti Control 9     | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                          | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                     | 7            | 7              | 10              | 8.0             |
| Blok-Guard® & Graffiti Control WB 15 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                          | 8            | 8              | 10              | 8.7             |
| Graffiti Remover                     | 9            | 9              | 9               | 9.0             |
| Sacrificial Coating SC-1             | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                          | 9            | 8              | 6               | 7.7             |
| Graffiti Remover                     | 9            | 9              | 6               | 8.0             |



| "Graphite" Ground Face CORDOVA Stone®            |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                                | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                                 | 5            | 5              | 2               | 4.0             |
| Blok-Guard® & Graffiti Control 9                 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                                 | 7            | 7              | 10              | 8.0             |
| Blok-Guard <sup>®</sup> & Graffiti Control WB 15 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 8            | 8              | 10              | 8.7             |
| Graffiti Remover                                 | 9            | 9              | 10              | 9.3             |
| Sacrificial Coating SC-1                         | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 9            | 8              | 6               | 7.7             |
| Graffiti Remover                                 | 9            | 8              | 7               | 8.0             |

| "Limestone" Ground Face CORDOVA Stone® |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                      | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                            | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                       | 5            | 5              | 2               | 4.0             |
| Blok-Guard® & Graffiti Control 9       | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                            | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                       | 7            | 7              | 10              | 8.0             |
| Blok-Guard® & Graffiti Control WB 15   | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                            | 9            | 8              | 10              | 9.0             |
| Graffiti Remover                       | 9            | 9              | 9               | 9.0             |
| Sacrificial Coating SC-1               | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                            | 9            | 8              | 8               | 8.3             |
| Graffiti Remover                       | 9            | 9              | 6               | 8.0             |



| "Midnight" Ground Face CORDOVA Stone®            |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                                | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 7            | 7              | 10              | 8.0             |
| Graffiti Remover                                 | 7            | 7              | 8               | 7.3             |
| Blok-Guard® & Graffiti Control 9                 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 8            | 9              | 10              | 9.0             |
| Graffiti Remover                                 | 8            | 9              | 10              | 9.0             |
| Blok-Guard <sup>®</sup> & Graffiti Control WB 15 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 9            | 9              | 10              | 9.3             |
| Graffiti Remover                                 | 9            | 10             | 10              | 9.7             |
| Sacrificial Coating SC-1                         | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 9            | 10             | 10              | 9.7             |
| Graffiti Remover                                 | 9            | 10             | 10              | 9.7             |

| "Alabaster" Texture Face CORDOVA Stone® |              |                |                 |                 |
|---|--------------|----------------|-----------------|-----------------|
| Untreated Control                       | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                             | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                        | 6            | 4              | 2               | 4.0             |
| Blok-Guard® & Graffiti Control 9        | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                             | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                        | 8            | 7              | 10              | 8.3             |
| Blok-Guard® & Graffiti Control WB 15    | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                             | 8            | 8              | 10              | 8.7             |
| Graffiti Remover                        | 9            | 9              | 10              | 9.3             |
| Sacrificial Coating SC-1                | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                             | 9            | 8              | 9               | 8.7             |
| Graffiti Remover                        | 9            | 8              | 9               | 8.7             |



| "Buff" Texture Face CORDOVA Stone®               |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                                | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                                 | 5            | 4              | 3               | 4.0             |
| Blok-Guard® & Graffiti Control 9                 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                                 | 7            | 7              | 10              | 8.0             |
| Blok-Guard <sup>®</sup> & Graffiti Control WB 15 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 7            | 7              | 10              | 8.0             |
| Graffiti Remover                                 | 9            | 9              | 10              | 9.3             |
| Sacrificial Coating SC-1                         | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 9            | 8              | 9               | 8.7             |
| Graffiti Remover                                 | 9            | 8              | 9               | 8.7             |

| "Graphite" Texture Face CORDOVA Stone®           |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                                | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                                 | 5            | 4              | 4               | 4.3             |
| Blok-Guard® & Graffiti Control 9                 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 7            | 7              | 10              | 8.0             |
| Graffiti Remover                                 | 8            | 7              | 10              | 8.3             |
| Blok-Guard <sup>®</sup> & Graffiti Control WB 15 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 8            | 8              | 10              | 8.7             |
| Graffiti Remover                                 | 9            | 9              | 10              | 9.3             |
| Sacrificial Coating SC-1                         | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 9            | 8              | 9               | 8.7             |
| Graffiti Remover                                 | 9            | 9              | 9               | 9.0             |



| "Limestone" Texture Face CORDOVA Stone®          |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                                | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                                 | 5            | 4              | 2               | 3.7             |
| Blok-Guard® & Graffiti Control 9                 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                                 | 7            | 7              | 10              | 8.0             |
| Blok-Guard <sup>®</sup> & Graffiti Control WB 15 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 8            | 8              | 10              | 8.7             |
| Graffiti Remover                                 | 9            | 9              | 10              | 9.3             |
| Sacrificial Coating SC-1                         | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 8            | 8              | 8               | 8.0             |
| Graffiti Remover                                 | 9            | 8              | 8               | 8.3             |

| "Midnight" Texture Face CORDOVA Stone® |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                      | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                            | 4            | 4              | 10              | 6.0             |
| Graffiti Remover                       | 3            | 3              | 8               | 4.7             |
| Blok-Guard® & Graffiti Control 9       | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                            | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                       | 7            | 7              | 10              | 8.0             |
| Blok-Guard® & Graffiti Control WB 15   | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                            | 8            | 8              | 10              | 8.7             |
| Graffiti Remover                       | 9            | 9              | 10              | 9.3             |
| Sacrificial Coating SC-1               | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                            | 8            | 8              | 10              | 8.7             |
| Graffiti Remover                       | 9            | 9              | 8               | 8.7             |



| "Congress Tan" Smooth Face Franklin Stone®       |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                                | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                                 | 4            | 4              | 4               | 4.0             |
| Blok-Guard® & Graffiti Control 9                 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                                 | 7            | 7              | 9               | 7.7             |
| Blok-Guard <sup>®</sup> & Graffiti Control WB 15 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 7            | 7              | 9               | 7.7             |
| Graffiti Remover                                 | 8            | 8              | 9               | 8.3             |
| Sacrificial Coating SC-1                         | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 8            | 8              | 8               | 8.0             |
| Graffiti Remover                                 | 8            | 8              | 6               | 7.3             |

| "Liberty Gray" Smooth Face Franklin Stone®       |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                                | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 5            | 5              | 4               | 4.7             |
| Graffiti Remover                                 | 5            | 5              | 2               | 4.0             |
| Blok-Guard® & Graffiti Control 9                 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                                 | 7            | 7              | 9               | 7.7             |
| Blok-Guard <sup>®</sup> & Graffiti Control WB 15 | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 8            | 8              | 10              | 8.7             |
| Graffiti Remover                                 | 9            | 9              | 9               | 9.0             |
| Sacrificial Coating SC-1                         | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                      | 9            | 9              | 6               | 8.0             |
| Graffiti Remover                                 | 9            | 9              | 6               | 8.0             |

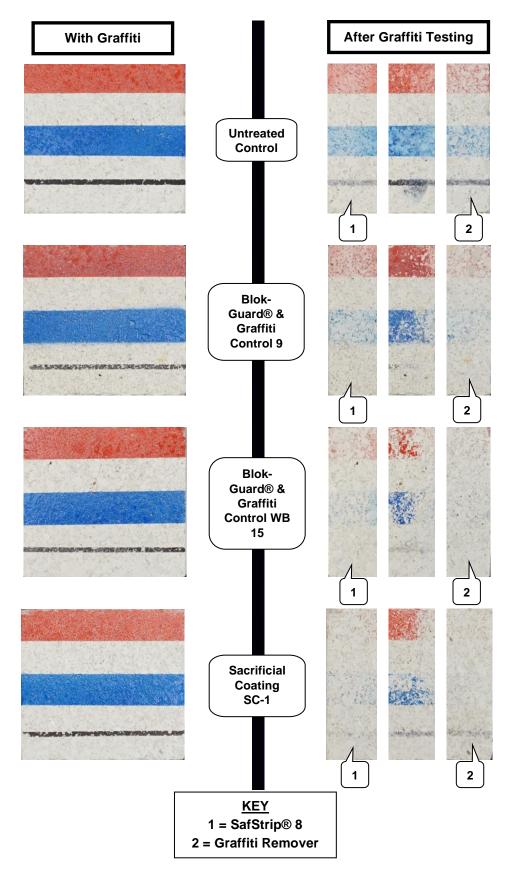


| "Monument White" Smooth Face Franklin Stone® |              |                |                 |                 |
|--|--------------|----------------|-----------------|-----------------|
| Untreated Control                            | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                  | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                             | 4            | 4              | 2               | 3.3             |
| Blok-Guard® & Graffiti Control 9             | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                  | 6            | 6              | 9               | 7.0             |
| Graffiti Remover                             | 7            | 7              | 9               | 7.7             |
| Blok-Guard® & Graffiti Control WB 15         | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                  | 8            | 8              | 9               | 8.3             |
| Graffiti Remover                             | 9            | 9              | 8               | 8.7             |
| Sacrificial Coating SC-1                     | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                                  | 9            | 9              | 6               | 8.0             |
| Graffiti Remover                             | 9            | 9              | 4               | 7.3             |

| "Senate Sage" Smooth Face Franklin Stone® |              |                |                 |                 |
|---|--------------|----------------|-----------------|-----------------|
| Untreated Control                         | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                               | 4            | 4              | 4               | 4.0             |
| Graffiti Remover                          | 4            | 4              | 2               | 3.3             |
| Blok-Guard® & Graffiti Control 9          | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                               | 6            | 6              | 10              | 7.3             |
| Graffiti Remover                          | 7            | 7              | 10              | 8.0             |
| Blok-Guard® & Graffiti Control WB 15      | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                               | 8            | 8              | 9               | 8.3             |
| Graffiti Remover                          | 9            | 9              | 9               | 9.0             |
| Sacrificial Coating SC-1                  | Red<br>Paint | Blue<br>Marker | Black<br>Marker | Avg.<br>Removal |
| SafStrip® 8                               | 9            | 9              | 8               | 8.7             |
| Graffiti Remover                          | 9            | 9              | 6               | 8.0             |

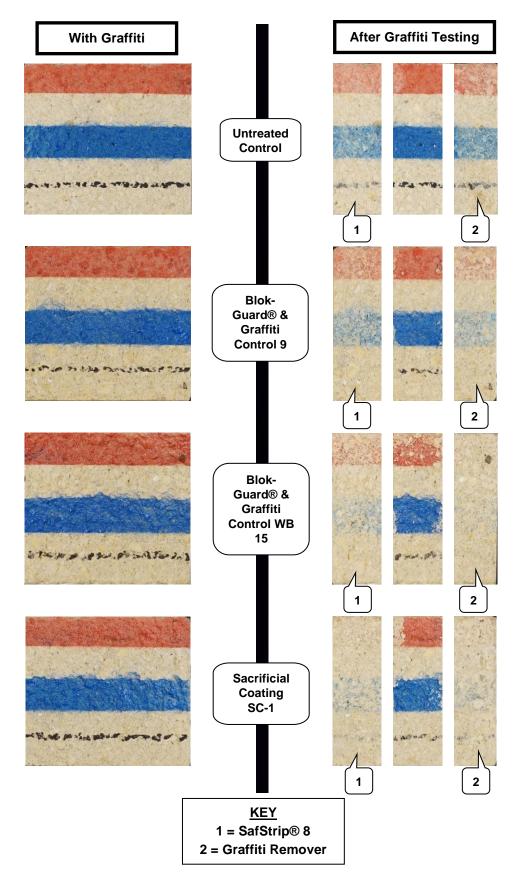


"Alabaster" Ground Face CORDOVA Stone® Concrete Masonry Stone Veneer



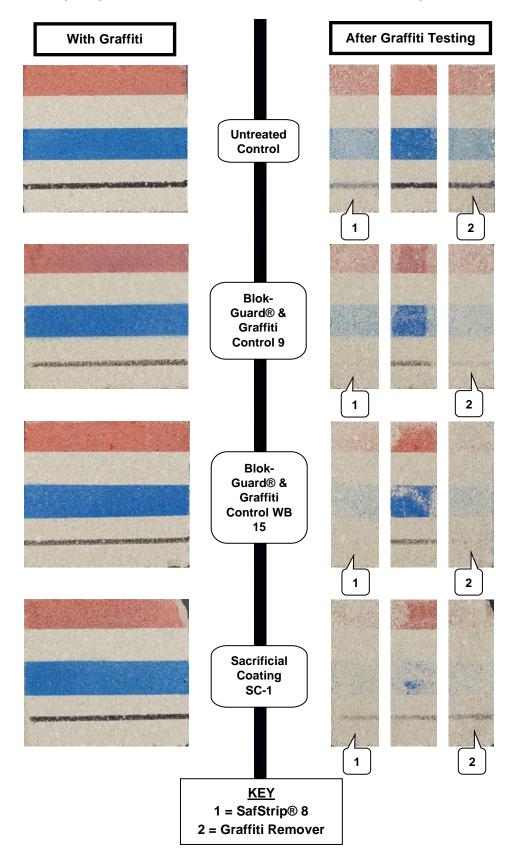


#### "Buff" Texture Face CORDOVA Stone® Concrete Masonry Stone Veneer





"Liberty Gray" Smooth Face Franklin Stone® Concrete Masonry Stone Veneer





#### **CONCLUSIONS: Graffiti Resistance**

Based on the laboratory evaluations, graffiti removal was improved with all of the specified treatments. However, Sure Klean® Weather Seal Blok-Guard® & Graffiti Control WB 15 proved most effective.

Enviro Klean® SafStrip® 8 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.

Worth noting, after removing the graffiti from the untreated and treated "Midnight" Ground Face CORDOVA Stone® samples using Enviro Klean® SafStrip® 8 and Sure Klean® Graffiti Remover, it was evident that some of the surface finish had been removed during the cleaning process (see images below). For this reason, Sure Klean® Weather Seal Sacrificial Coating SC-1 is the only recommended graffiti barrier on the "Midnight" Ground Face CORDOVA Stone® and removal should be attempted using hot water only in accordance with the current PROSOCO, Inc. Product Data Sheet instruction.



"Midnight" Ground Face CORDOVA Stone® - Untreated Control Graffiti Resistance



#### **RECOMMENDATIONS:** Graffiti Resistance

Recommendations for graffiti resistance for the concrete masonry stone veneer submitted by Northfield Block Company, Morris, IL 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 Resistance  |
|--|--|
| "Alabaster" Ground Face CORDOVA Stone® |  |
| "Buff" Ground Face CORDOVA Stone®      | <u>Graffiti Repellents</u><br><sup>1</sup> Sure Klean® Weather Seal Blok-Guard® &<br>Graffiti Control WB 15<br>OR<br><sup>2</sup> Sure Klean® Weather Seal Blok-Guard® &<br>Graffiti Control 9<br>OR |
| "Graphite" Ground Face CORDOVA Stone®  | <sup>2</sup> Sure Klean® Weather Seal Sacrificial Coating<br>SC-1<br><sup>1</sup> Sure Klean® Graffiti Remover<br>OR<br><sup>2</sup> Enviro Klean® SafStrip® 8                                       |
| "Limestone" Ground Face CORDOVA Stone® |  |
| "Midnight" Ground Face CORDOVA Stone®  | <u>Graffiti Repellents</u><br>Sure Klean® Weather Seal Sacrificial Coating<br>SC-1<br><u>Graffiti Removers</u><br>Hot Water Only   |

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

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

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.



### **RECOMMENDATIONS:** Graffiti Resistance (cont.)

Recommendations for graffiti resistance for the concrete masonry stone veneer submitted by Northfield Block Company, Morris, IL 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 Resistance   |
|--|---|
| "Alabaster" Texture Face CORDOVA Stone®      |   |
| "Buff" Texture Face CORDOVA Stone®           | Graffiti Repellents   |
| "Graphite" Texture Face CORDOVA Stone®       | <sup>1</sup> Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> &<br>Graffiti Control WB 15 |
| "Limestone" Texture Face CORDOVA Stone®      | OR<br><sup>2</sup> Sure Klean® Weather Seal Blok-Guard® &<br>Graffiti Control 9                       |
| "Midnight" Texture Face CORDOVA Stone®       | OR<br><sup>2</sup> Sure Klean® Weather Seal Sacrificial Coating                                       |
| "Congress Tan" Smooth Face Franklin Stone®   | SC-1<br><u>Graffiti Removers</u>  |
| "Liberty Gray" Smooth Face Franklin Stone®   | <sup>1</sup> Sure Klean® Graffiti Remover<br>OR   |
| "Monument White" Smooth Face Franklin Stone® | <sup>2</sup> Enviro Klean® SafStrip® 8  |
| "Senate Sage" Smooth Face Franklin Stone®    |   |

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

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

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. Succe Conadoll

J. Lucas Comadoll QC/Project Testing Technician

ALL SAMPLES SUPPLIED FOR THE ABOVE EVALUATION WILL BE DISPOSED OF <u>THIRTY (30) DAYS</u> 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 <u>THIRTY</u> (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.