



# *Pallet Tag Program Laboratory Report*

Glen-Gery  
Hanley Plant  
Summerville, PA



*Project No. 2505-02 PTP*

***Prepared For:***



***Prepared By:***

*J. Lucas Comadoll*

J. Lucas Comadoll  
Chemist  
AMT Laboratories

May 2025



# LABORATORY REPORT

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**FOR:** Steve German, Glen-Gery  
**cc:** Steve Long, ER Long & Associates, Inc.  
Guy Mazza, PROSOCO, Inc.  
Jake Boyer, PROSOCO, Inc.

**SUBJECT:** Glen-Gery  
Hanley Plant  
Summerville, PA  
Pallet Tag Evaluation

**DATE:** May 19, 2025  
**PROJECT:** 2505-02 PTP

**SAMPLES SUBMITTED:** 5 types of clay facebrick

Sample	Name	Label	Color Per Website	Texture/Finish Per Website	Size
(10) Brick	"Aspen White"	"S804"	White	Smooth	7-1/2" x 2-1/4"
(10) Brick	"G19-1918"	"G19-1918"	White	Glazed	8" x 2-1/4"
(10) Brick	"Nugget"	"S07-5771"	Red	Smooth	7-5/8" x 2-1/4"
(10) Brick	"Silver City"	"SC1"	Grey	Smooth	7-5/8" x 2-1/4"
(10) Brick	"Toledo Grey"	"S75"	Grey	Smooth	7-1/2" x 2-1/4"

**SUBMITTED BY:** Kurt Pope  
Plant Manager  
Glen-Gery Hanley Plant  
12637 Harrison Street  
Summerville, PA 15864

**PURPOSE OF TEST:**

- To determine the most appropriate PROSOCO, Inc. new construction cleaner(s) for the submitted samples.
- To determine if specific PROSOCO, Inc. specialty cleaners cause any adverse effects to the submitted samples.

**NOTE:** The “G19-1918”, “Nugget”, and “Toledo Grey” facebrick exhibited a variation in color upon arrival prior to any testing as shown in the photograph below.

**Variation in Color as Submitted**



**“G19-1918”  
Facebrick**

**“Nugget”  
Facebrick**

**“Toledo Grey”  
Facebrick**

**PRODUCTS EVALUATED:**

<b>New Construction Cleaning</b>	<b>Dilution:</b>
Sure Klean® 600	1:6, 1:8
Sure Klean® Vana Trol®	1:6, 1:8

<b>Adverse Effects</b>	<b>Dilution:</b>
Sure Klean® Ferrous Stain Remover	1:3
Sure Klean® 800 Stain Remover	1:1
Sure Klean® White Scum Remover	1:1
Sure Klean® ReVeal	1:3
Sure Klean® Restoration Cleaner	1:3
Enviro Klean® Klean 'N Release Cleaner	1:10

## TEST METHODS: New Construction Cleaning

Sure Klean® 600 and Sure Klean® Vana Trol® 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:

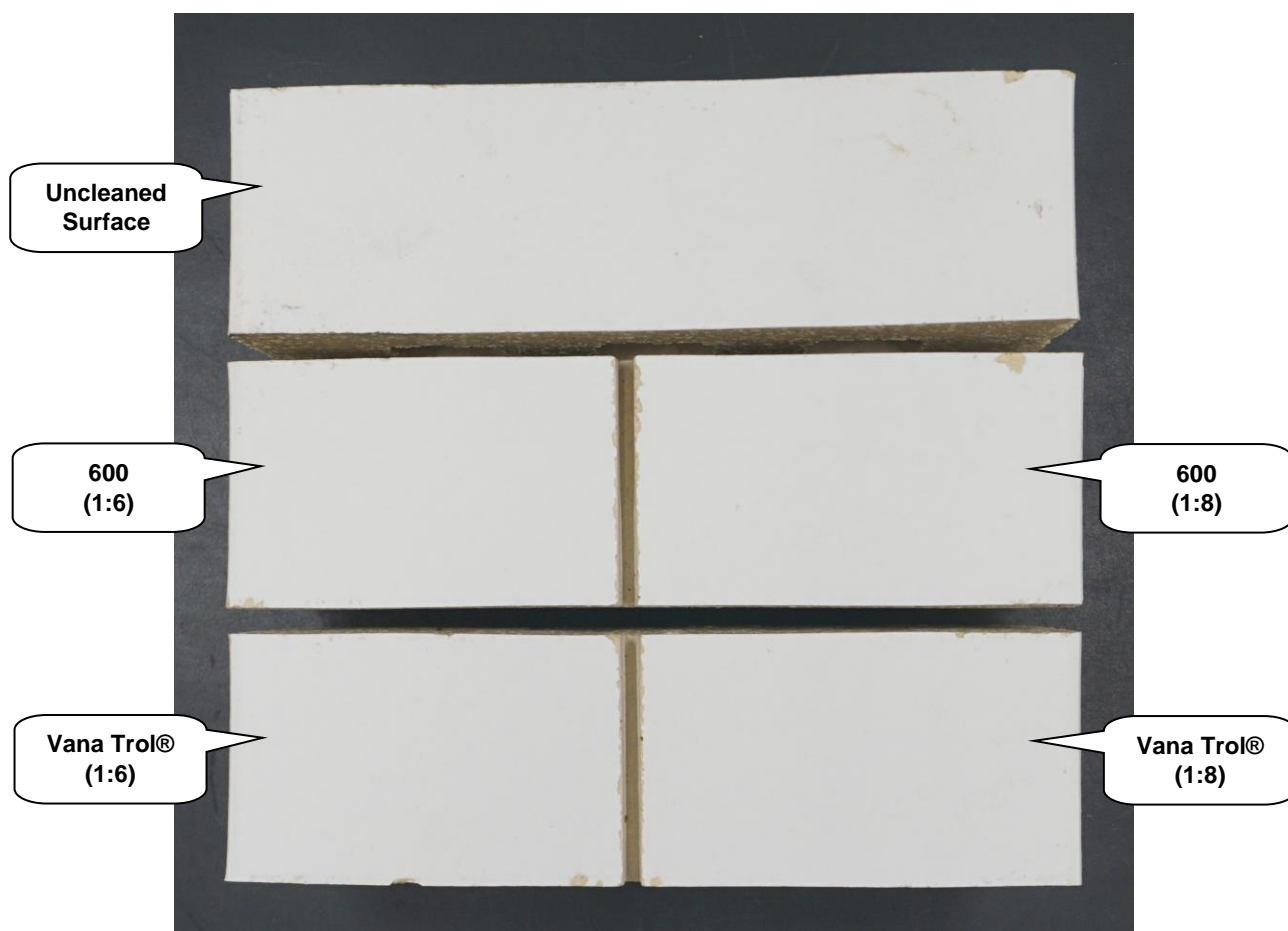
1. Pre-wet the surface and apply diluted cleaning solution according to PROSOCO, Inc. Product Data Sheet.
2. Allow for an appropriate dwell time and periodically agitate:
  - 600 .....5 minutes
  - Vana Trol®.....5 minutes
3. Reapply cleaning solution; do not let cleaner dry into sample.
4. Rinse thoroughly 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** – A garden hose with an adjustable nozzle set for a narrow stream of water was used for rinsing because the manufacturer recommends psi values below 400 for the majority of the submitted brick.

## TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning

Name: "Aspen White" Facebrick					
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

### "Aspen White" Facebrick After Cleaning



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

Name: "G19-1918" Facebrick					
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

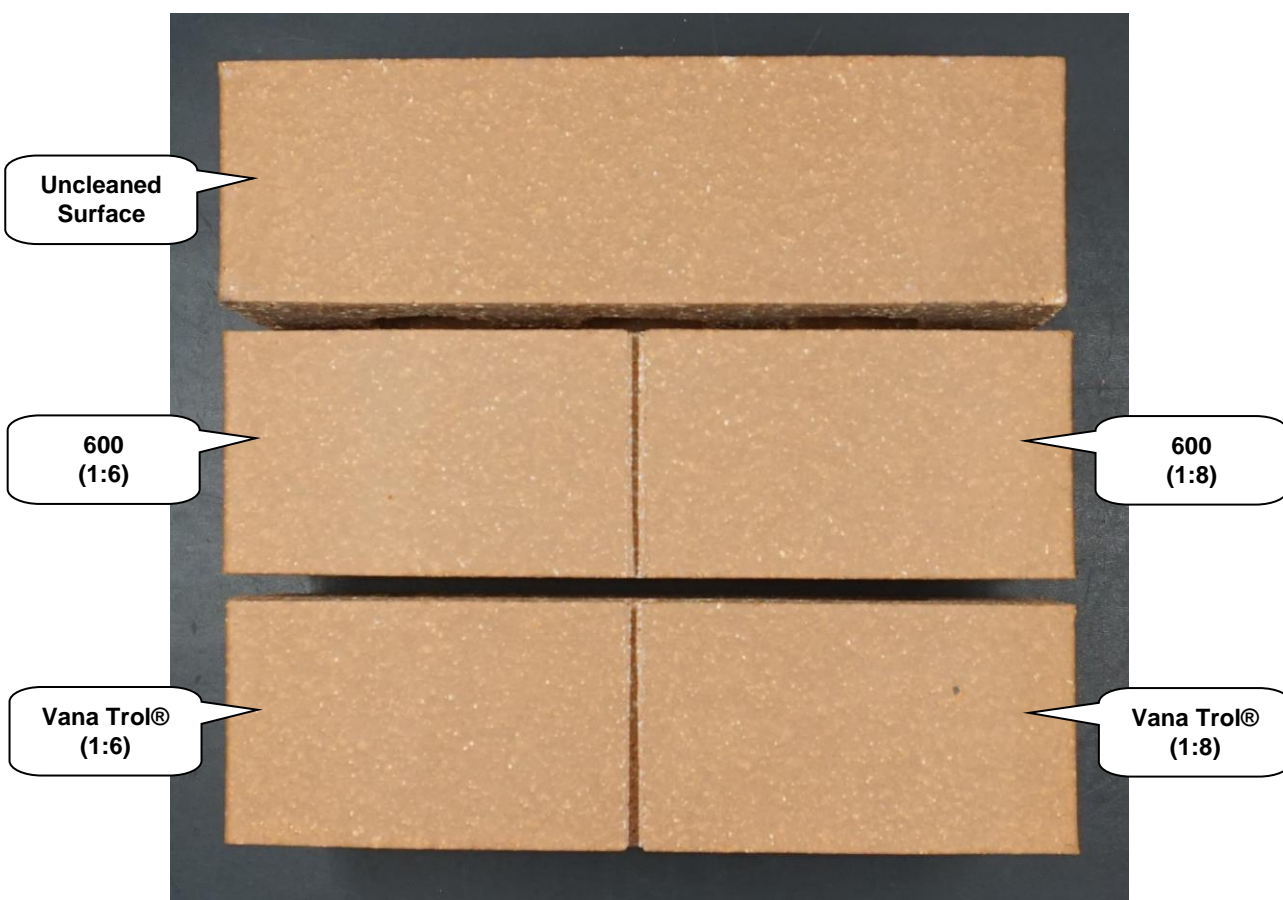
**"G19-1918" Facebrick After Cleaning**



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

Name: "Nugget" Facebrick					
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

**"Nugget" Facebrick After Cleaning**

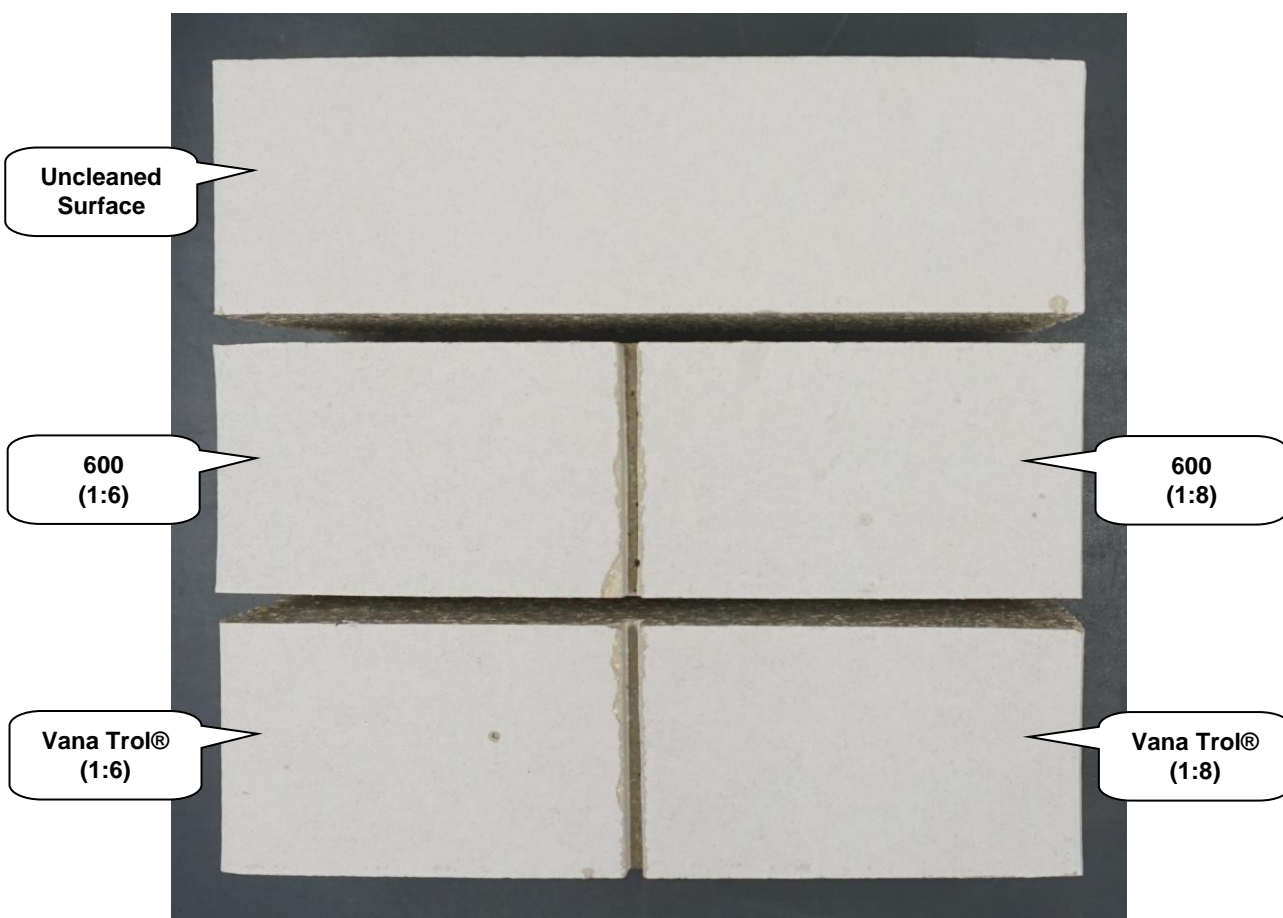




**TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning (cont.)**

Name: "Silver City" Facebrick					
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

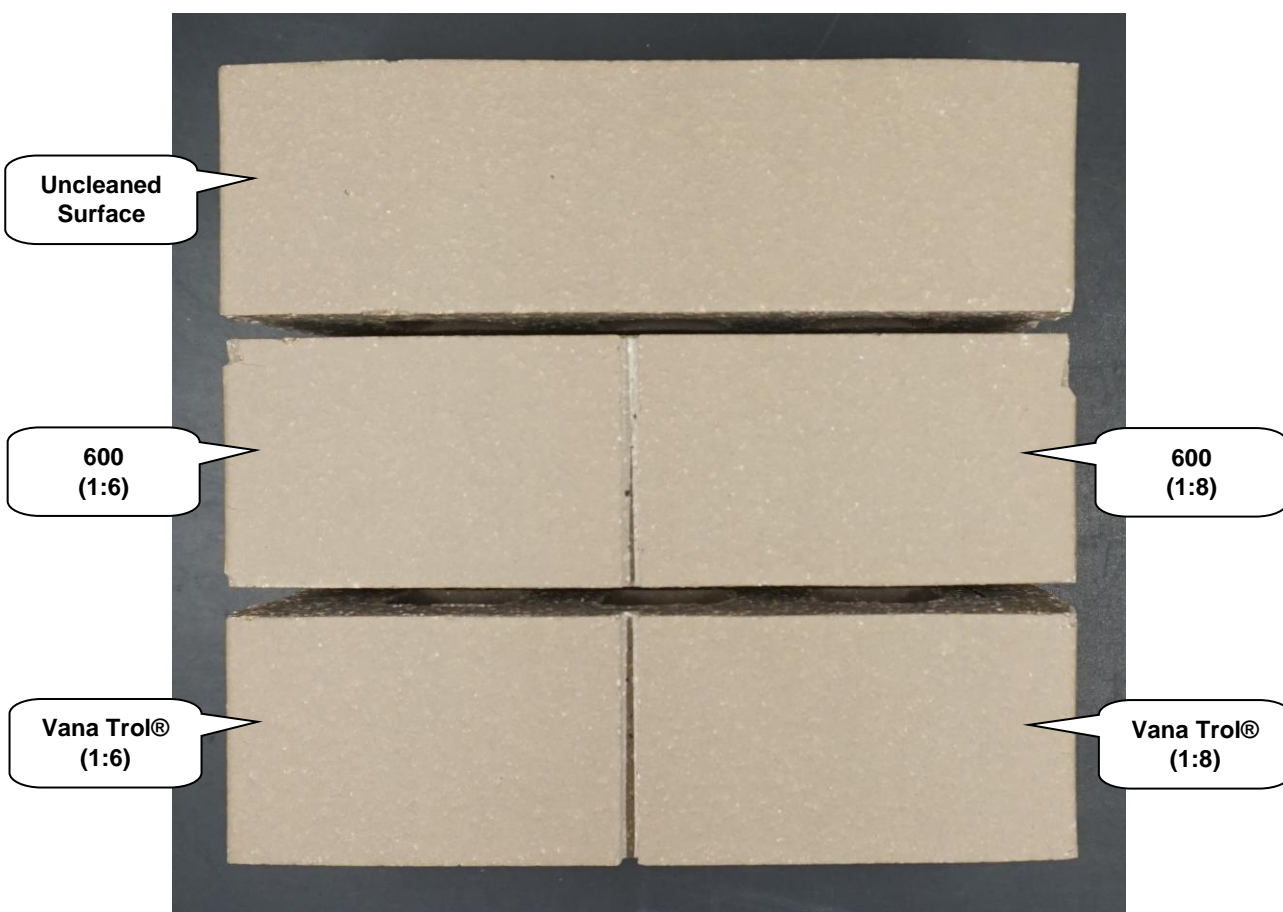
**"Silver City" Facebrick After Cleaning**



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

Name: "Toledo Grey" Facebrick					
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

**"Toledo Grey" Facebrick After Cleaning**



## **CONCLUSIONS: New Construction Cleaning**

In the cleaning tests conducted, neither Sure Klean® 600 nor Sure Klean® Vana Trol® caused any change to the appearance of the submitted brick.

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®

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 Glen-Gery, Summerville, PA are provided in the chart below. Recommendations are based on the cleaner and dilution that provided the best match to the uncleaned surface as well as brick type.

Sample	New Construction Cleaning
"Aspen White" Facebrick	<sup>1</sup> Sure Klean® Vana Trol® (1:6) or (1:8) OR <sup>2</sup> Sure Klean® 600 (1:6) or (1:8)
"G19-1918" Facebrick	
"Silver City" Facebrick	
"Nugget" Facebrick	<sup>1</sup> Sure Klean® 600 (1:6) or (1:8) OR <sup>2</sup> Sure Klean® Vana Trol® (1:6) or (1:8)
"Toledo Grey" Facebrick	

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.

## TEST METHODS: Adverse Effects

Various PROSOCO, Inc. cleaners were evaluated to determine if any of the cleaners cause any adverse effects when used on the submitted brick. The samples were visually examined following the procedure below based on the following:

**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).

**Substrate Deterioration** is the visual examination of the sample comparing the uncleaned surface to surfaces cleaned with selected product(s) 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 product(s).

**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:
 

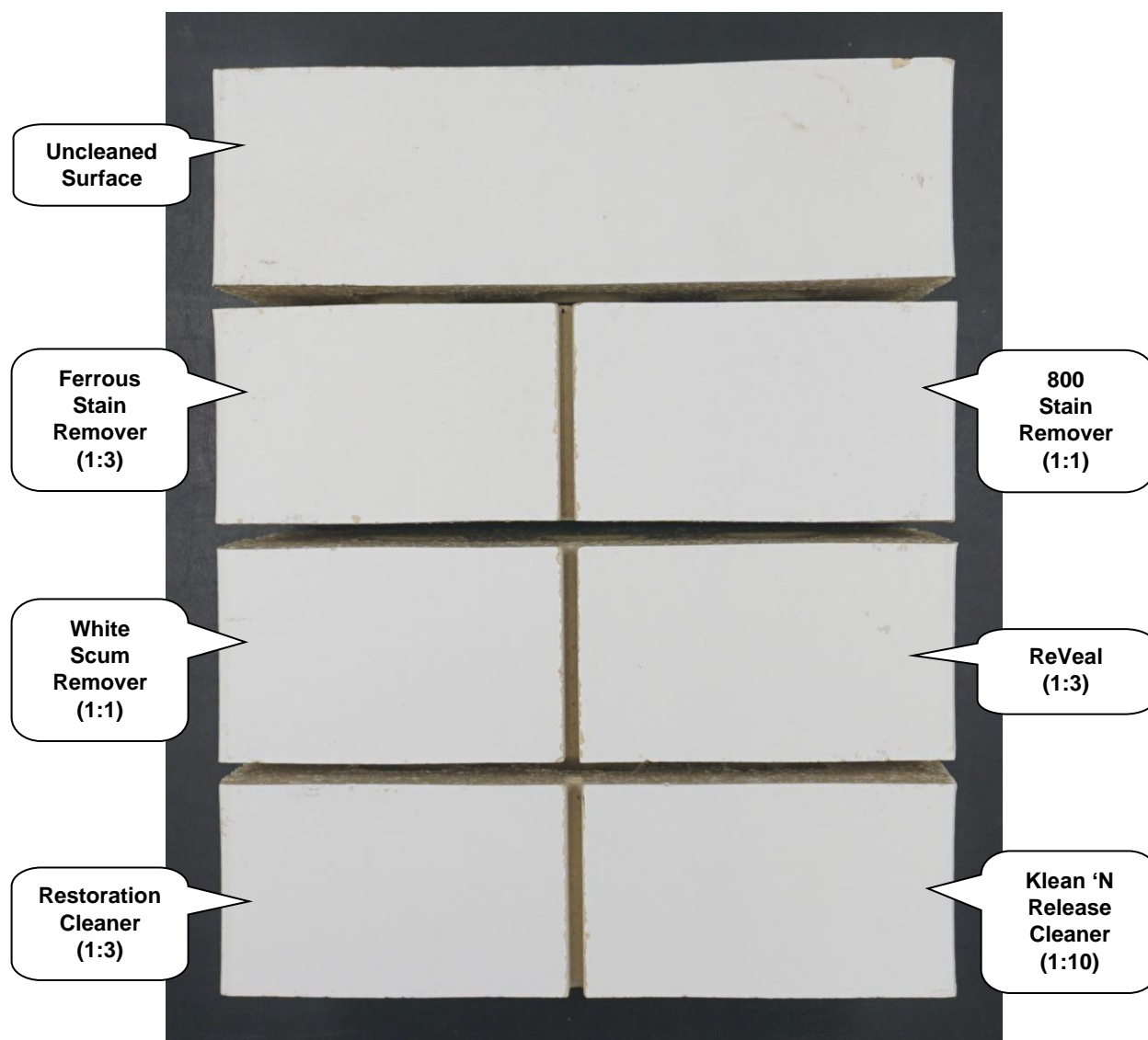
Ferrous Stain Remover .....	5 minutes
800 Stain Remover .....	5 minutes
White Scum Remover .....	3 minutes
ReVeal.....	5 minutes
Restoration Cleaner .....	5 minutes
Klean 'N Release Cleaner.....	10 minutes
3. Reapply cleaning solution; do not let cleaner dry into the brick.
4. Rinse thoroughly with plenty 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** – A garden hose with an adjustable nozzle set for a narrow stream of water was used for rinsing because the manufacturer recommends psi values below 400 for the majority of the submitted brick.

## TEST RESULTS AND PHOTOGRAPHS: Adverse Effects

Name: "Aspen White" Facebrick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Ferrous Stain Remover	1:3	0	0	0	0
800 Stain Remover	1:1	0	0	0	0
White Scum Remover	1:1	0	0	0	0
ReVeal	1:3	0	0	0	0
Restoration Cleaner	1:3	0	0	0	0
Klean 'N Release Cleaner	1:10	0	0	0	0

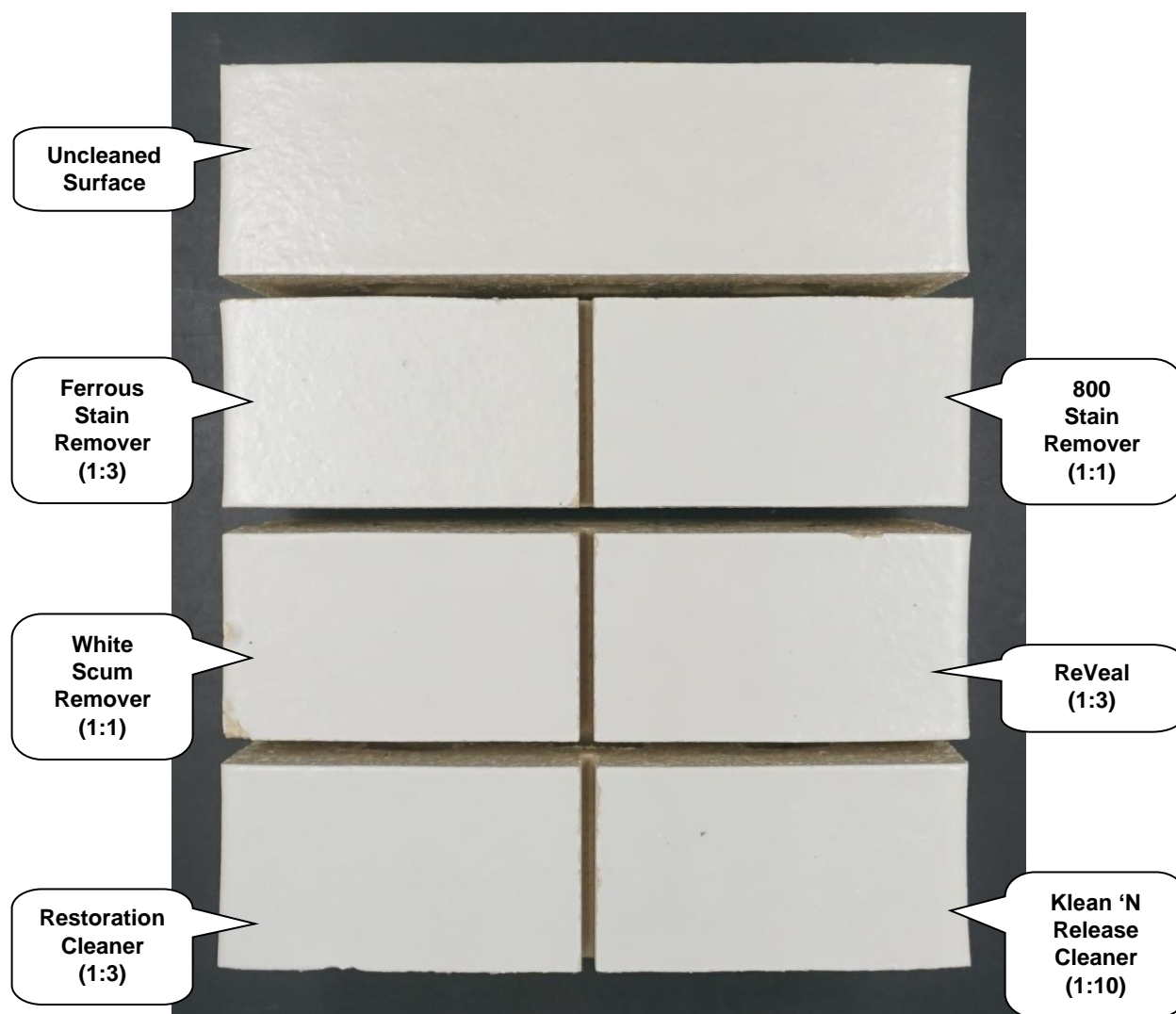
### "Aspen White" Facebrick After Cleaning



**TEST RESULTS AND PHOTOGRAPHS: Adverse Effects (cont.)**

Name: "G19-1918" Facebrick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Ferrous Stain Remover	1:3	0	0	0	0
800 Stain Remover	1:1	1	0	0	0
White Scum Remover	1:1	1	0	0	0
ReVeal	1:3	0	0	0	0
Restoration Cleaner	1:3	1	0	0	0
Klean 'N Release Cleaner	1:10	0	0	0	0

**"G19-1918" Facebrick After Cleaning**

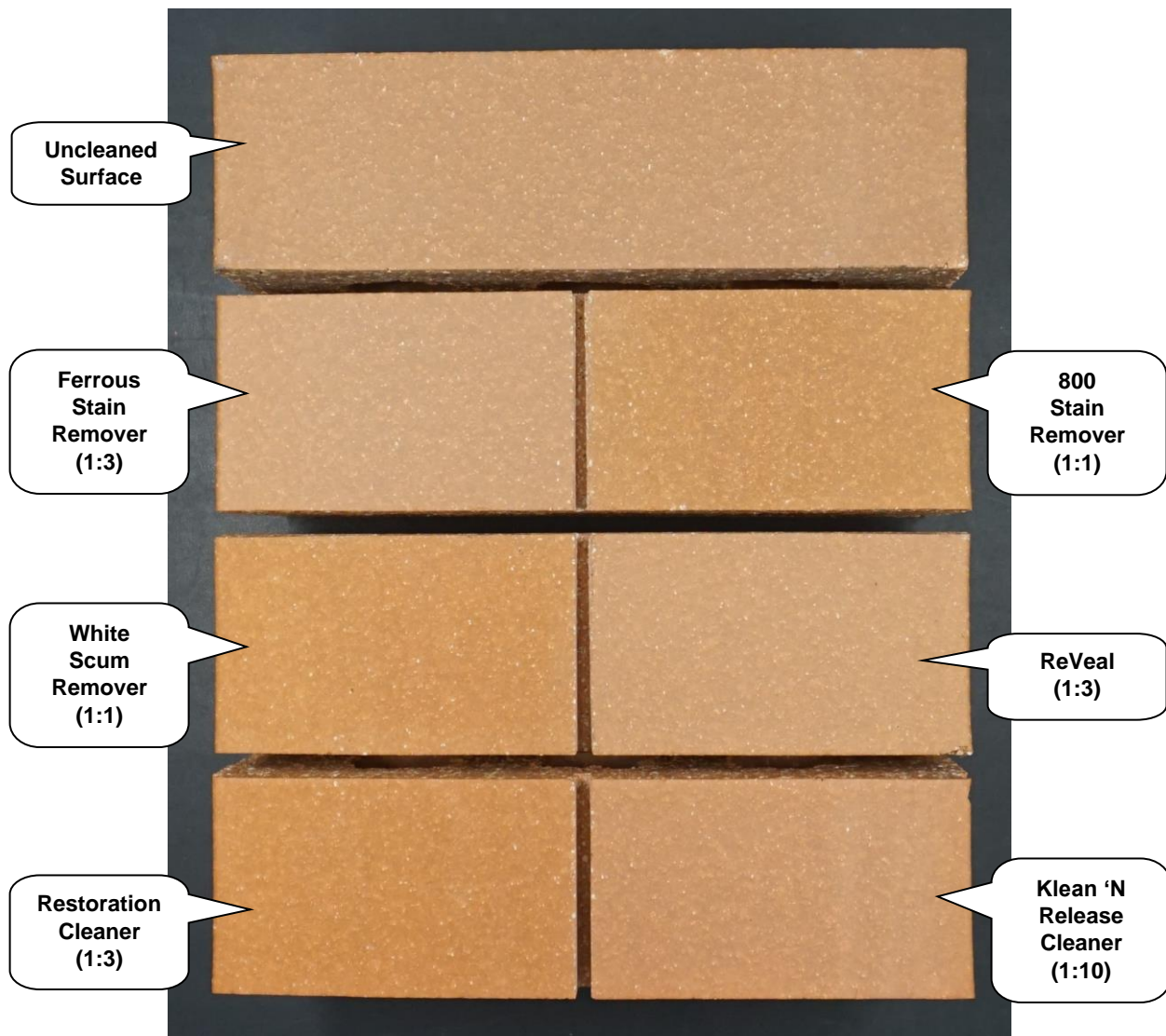




**TEST RESULTS AND PHOTOGRAPHS: Adverse Effects (cont.)**

Name: "Nugget" Facebrick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Ferrous Stain Remover	1:3	0	0	0	0
800 Stain Remover	1:1	0	0	1	0
White Scum Remover	1:1	0	0	1	0
ReVeal	1:3	0	0	0	0
Restoration Cleaner	1:3	0	0	1	0
Klean 'N Release Cleaner	1:10	0	0	0	0

**"Nugget" Facebrick After Cleaning**

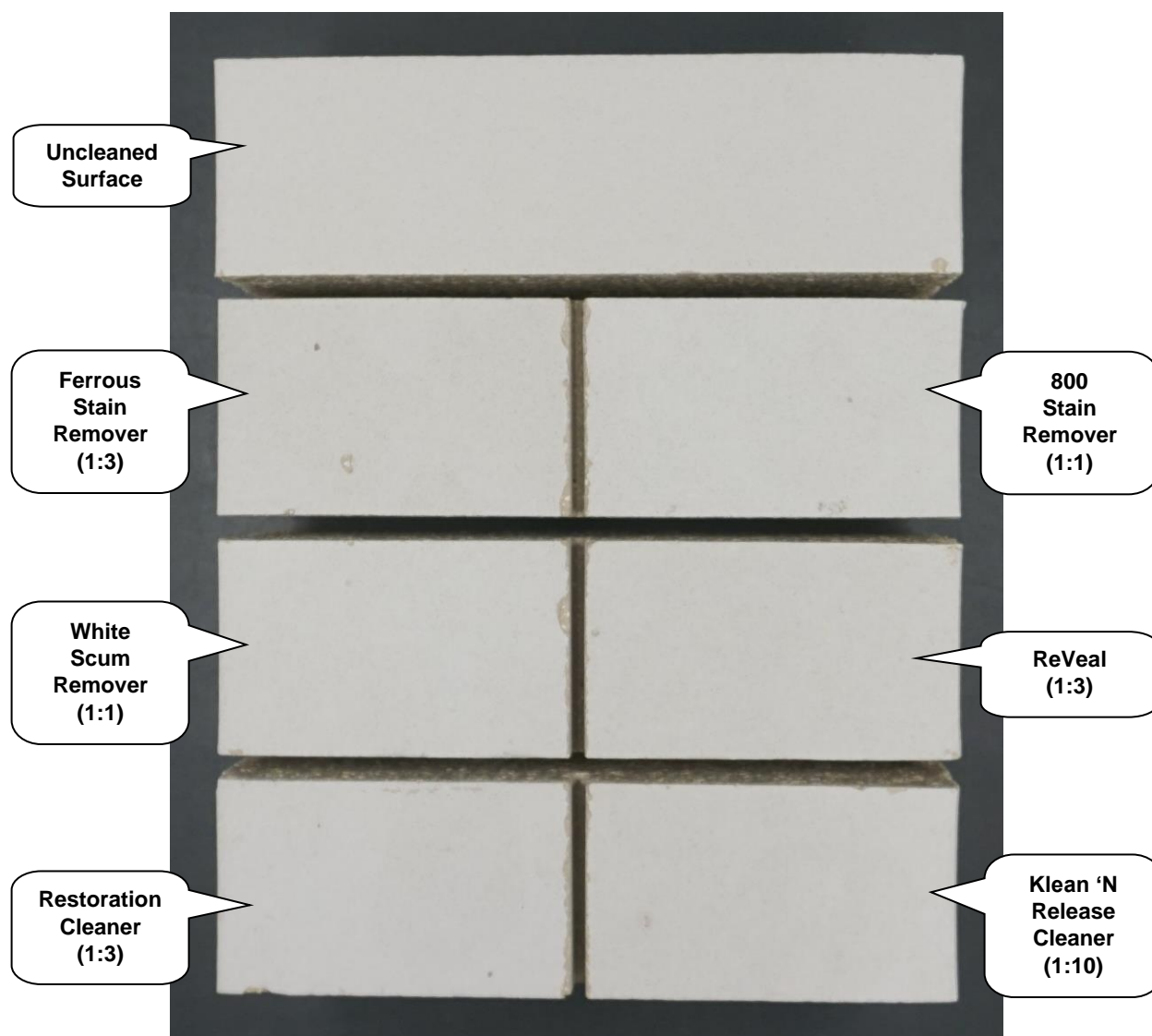




**TEST RESULTS AND PHOTOGRAPHS: Adverse Effects (cont.)**

Name: "Silver City" Facebrick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Ferrous Stain Remover	1:3	0	0	0	0
800 Stain Remover	1:1	0	0	0	0
White Scum Remover	1:1	0	0	0	0
ReVeal	1:3	0	0	0	0
Restoration Cleaner	1:3	0	0	0	0
Klean 'N Release Cleaner	1:10	0	0	0	0

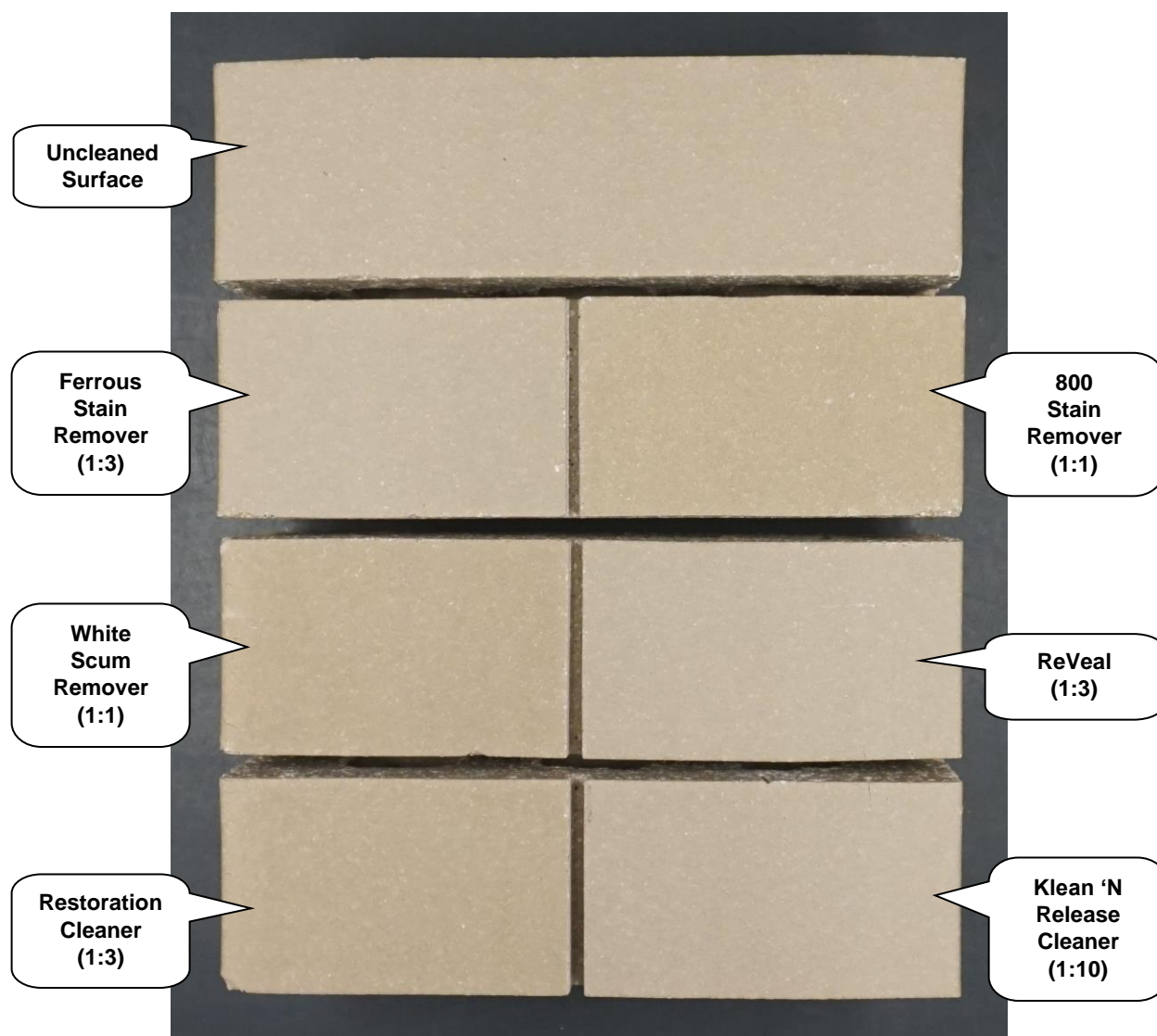
**"Silver City" Facebrick After Cleaning**



**TEST RESULTS AND PHOTOGRAPHS: Adverse Effects (cont.)**

Name: "Toledo Grey" Facebrick					
Product	Dilution	Surface Finish Removal	Substrate Deterioration	Color Change	Staining
Ferrous Stain Remover	1:3	0	0	0	0
800 Stain Remover	1:1	0	0	1	0
White Scum Remover	1:1	0	0	1	0
ReVeal	1:3	0	0	0	0
Restoration Cleaner	1:3	0	0	1	0
Klean 'N Release Cleaner	1:10	0	0	0	0

**"Toledo Grey" Facebrick After Cleaning**



## **CONCLUSIONS: Adverse Effects**

In most of the adverse effects tests conducted, none of the specialty cleaners caused any change to the appearance of the submitted brick.

However, a slight amount of surface finish removal or color change was observed when Sure Klean® 800 Stain Remover, Sure Klean® White Scum Remover, and Sure Klean® Restoration Cleaner were applied to the “G19-1918”, “Nugget”, and “Toledo Grey” facebrick. Therefore, Sure Klean® 800 Stain Remover, Sure Klean® White Scum Remover, and Sure Klean® Restoration Cleaner are not recommended for use on these brick.

When choosing the most appropriate product for the desired result:

- For removal of iron, manganese, vanadium, straw stains, acid burns, and other metallic discolorations from brick, stone, and masonry surfaces – test Sure Klean® Ferrous Stain Remover
- For removal of green vanadium stains, straw stains, acid burns, and other metallic discolorations from most masonry surfaces – test Sure Klean® 800 Stain Remover
- For removal of salt scums (carbonates and sulfates) from clay brick and tile surfaces without discoloring or alter the surface – test Sure Klean® White Scum Remover
- For removal of stubborn atmospheric and carbon staining on masonry and stone – test Sure Klean® ReVeal
- For a concentrated compound able to loosen and dissolve dirt, paint oxidation, carbon buildup, and other atmospheric pollutants – test Sure Klean® Restoration Cleaner
- For delicate substrates and all-purpose cleaning – test Enviro Klean® Klean ‘N Release Cleaner

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: Adverse Effects

Recommendations for cleaning the brick submitted by Glen-Gery, Summerville, PA are provided in the chart below.

Sample	Specialty Cleaning
"Aspen White" Facebrick	Sure Klean® Ferrous Stain Remover (1:3) OR Sure Klean® 800 Stain Remover (1:1) OR Sure Klean® White Scum Remover (1:1) OR Sure Klean® ReVeal (1:3) OR Sure Klean® Restoration Cleaner (1:3) OR Enviro Klean® Klean 'N Release Cleaner (1:10)
"Silver City" Facebrick	
"G19-1918" Facebrick	
"Nugget" Facebrick	Sure Klean® Ferrous Stain Remover (1:3) OR Sure Klean® ReVeal (1:3) OR Enviro Klean® Klean 'N Release Cleaner (1:10)
"Toledo Grey" Facebrick	

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.



J. Lucas Comadoll  
Chemist

**ALL SAMPLES SUPPLIED FOR THE ABOVE EVALUATION WILL BE DISPOSED OF THIRTY (30) DAYS AFTER THE ISSUE DATE OF THIS REPORT. IF SAMPLES ARE TO BE RETAINED FOR ADDITIONAL TESTING OR RETURNED TO THE SENDER, PROVIDE WRITTEN INSTRUCTIONS TO THE LABORATORY WITHIN THIRTY (30) DAYS OF THE ISSUE DATE OF THIS REPORT.**

Recommendations made within this report are based on laboratory test applications and observations. Final determination of the suitability of a product and/or procedure should be made only after thorough job testing on actual surfaces.