



*Pallet Tag Program
Laboratory Report*

General Shale Brick
Spring City, TN



Project No. 2604-05 PTP

Prepared For:



PROSOCO

Prepared By:

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May 2026



LABORATORY REPORT

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FOR: Bill Daniel, Regional Sales Manager, PROSOCO, Inc.
cc: Clay Witt, Director of Sales – South, PROSOCO, Inc.
Ken Rathbun, Director of Product Strategy – CPG, PROSOCO, Inc.

SUBJECT: General Shale Brick
Spring City, TN
Pallet Tag Evaluation

DATE: May 8, 2026
PROJECT: 2604-05 PTP

SAMPLES SUBMITTED: 1 type of clay full brick with a lime coating

| Sample | Name | Color | Texture/Finish | Size |
|---------------------------|--------------------|-----------------------|----------------|--------------------------|
| (5) Queen Size Full Brick | "Nottingham Tudor" | Red with Lime Coating | Lime Coating | 7 3/4" x 2 3/4" x 2 3/4" |

SUBMITTED BY: Bill Daniel
Regional Sales Manager
PROSOCO, Inc.

PURPOSE OF TEST:

- To determine the most appropriate PROSOCO, Inc. new construction cleaner(s) for the submitted samples.

NOTE: All of the submitted brick exhibited a variation in surface finish upon arrival prior to any testing as shown in the photograph below.

Variation in Color as Submitted



PRODUCTS EVALUATED:

| New Construction Cleaning | Dilution: |
|----------------------------------|------------------|
| Enviro Klean® Safety Klean | 1:2, 1:3 |
| Sure Klean® Vana Trol® | 1:8, 1:10 |

TEST METHODS: New Construction Cleaning

Enviro Klean® Safety Klean 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:

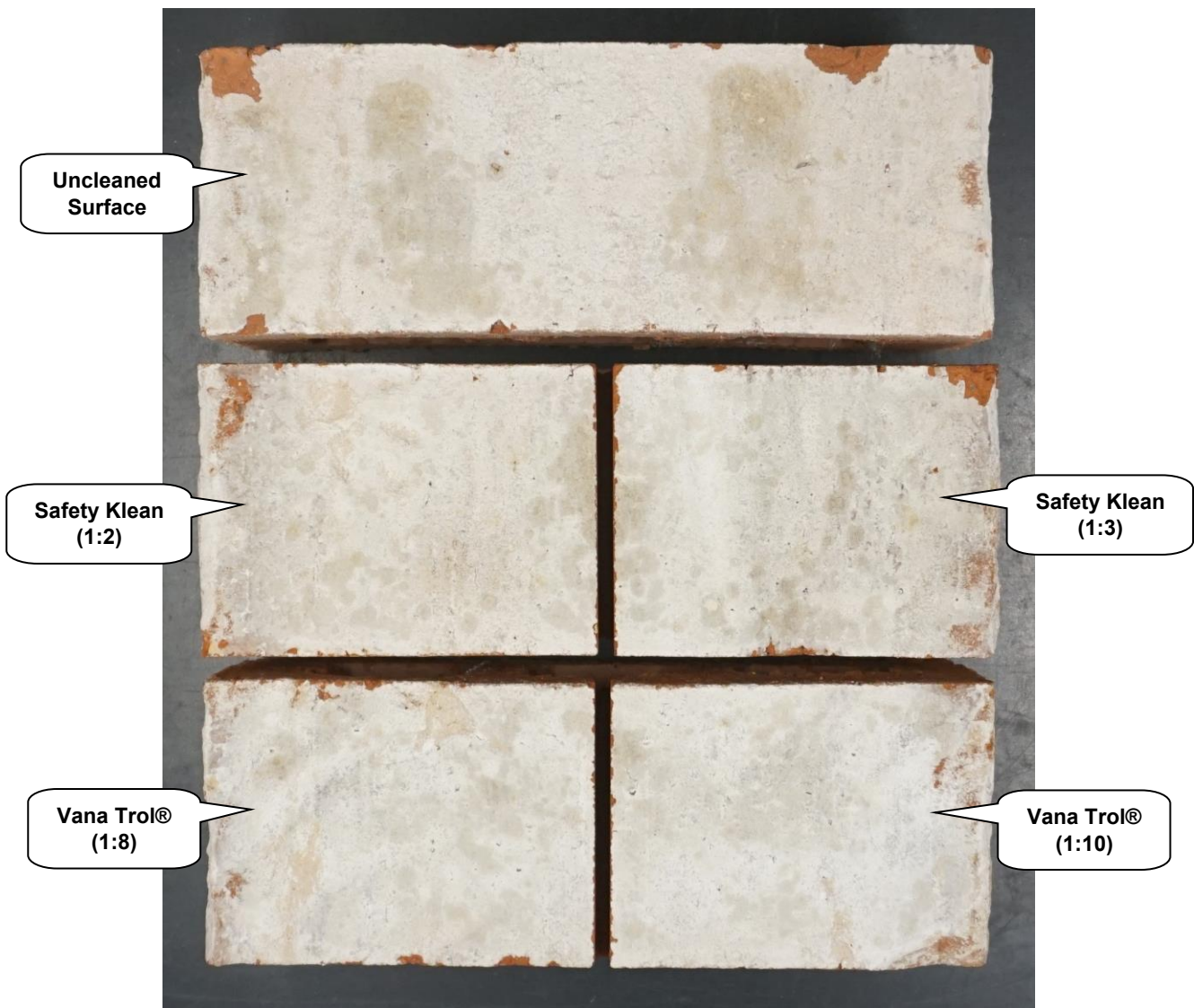
1. Pre-wet the surface and apply diluted cleaning solution according to PROSOCO, Inc. Product Data Sheet.
2. Allow for an appropriate dwell time and periodically agitate:
Safety Klean.....5 minutes
Vana Trol®.....5 minutes
3. Reapply cleaning solution; do not let cleaner dry into sample.
4. Rinse thoroughly 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 was used for rinsing because the manufacturer recommends psi values below 50 on their “Technical Bulletin – Brick Cleaning Info” document.

TEST RESULTS AND PHOTOGRAPHS: New Construction Cleaning

| Name: "Nottingham Tudor" Brick | | | | | |
|---------------------------------------|-----------------|-------------------------------|--------------------------------|---------------------|-----------------|
| Product | Dilution | Surface Finish Removal | Substrate Deterioration | Color Change | Staining |
| Safety Klean | 1:2 | 1 | 0 | 0 | 0 |
| Safety Klean | 1:3 | 1 | 0 | 0 | 0 |
| Vana Trol® | 1:8 | 1 | 0 | 0 | 0 |
| Vana Trol® | 1:10 | 1 | 0 | 0 | 0 |

"Nottingham Tudor" Brick After Cleaning



CONCLUSIONS: New Construction Cleaning

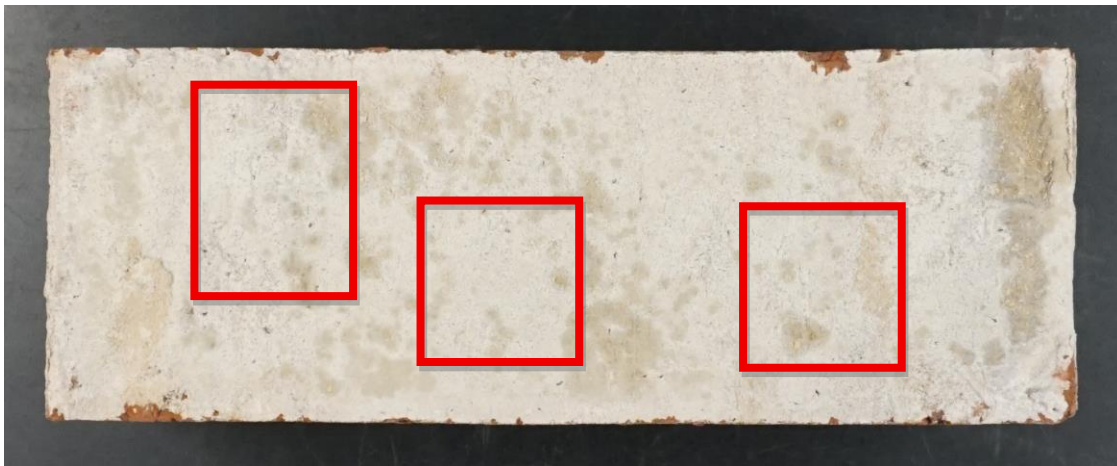
In all of the cleaning tests conducted, a slight amount of surface finish was removed when cleaning the submitted brick with both dilutions of Enviro Klean® Safety Klean and Sure Klean® Vana Trol®. However, simply rinsing with water alone using a garden hose and agitating with a soft-fibered brush also resulted in a slight amount of surface finish removal (see photographs below).

When choosing the most appropriate product for the desired result:

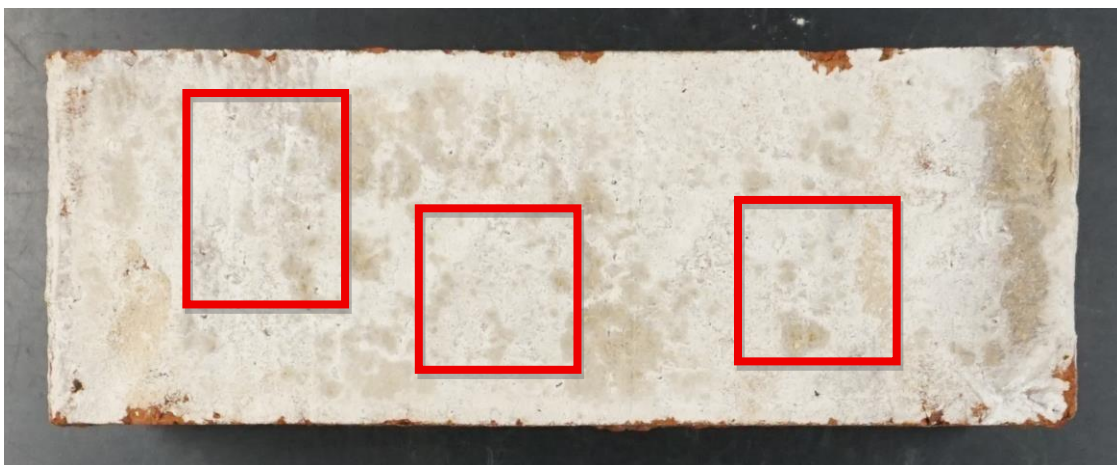
- For an effective, safe alternative to acidic cleaning compounds – test Enviro Klean® Safety Klean
- For new masonry surfaces that are subject to vanadium, manganese, and other metallic stains – test Sure Klean® Vana Trol®

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.

“Nottingham Tudor” Brick Before Rinsing With Water Alone



“Nottingham Tudor” Brick After Rinsing With Water Alone



RECOMMENDATIONS: New Construction Cleaning

Recommendations for cleaning the brick submitted by General Shale Brick, Spring City, TN 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 |
|--------------------------|---|
| "Nottingham Tudor" Brick | Enviro Klean® Safety Klean (1:2) or (1:3) OR Sure Klean® Vana Trol® (1:8) or (1:10) |

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.