

### PROSOCO, Inc.

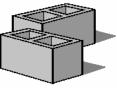
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#### Attachments

Technical Services TECH Note RILEM Tube Test Procedures Product Data literature for all products evaluated





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#### **Submitted Information**

| For:<br>cc: | Michael Trotta<br>Steve Dean<br>John Bourne |
|-------------|---|
| Subject:    | L. Thorn Company<br>New Albany, IN          |
| Date:       | December 29, 2005                           |

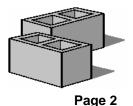
**Project:** 0511-04 PTP

#### Samples Submitted: 3 types of split-face CMU's

| Туре           | Name            | Color  | Integral Water Repellent | Size          |
|----------------|-----------------|--------|--------------------------|---------------|
| Split-face CMU | "Ball Park Red" | Red    | None                     | 8" x 16" x 2" |
| Split-face CMU | "Sahara"        | Yellow | None                     | 8" x 16" x 2" |
| Split-face CMU | "Sandlewood"    | Brown  | None                     | 8" x 16" x 2" |

Submitted by: Michael Trotta





# Purpose of Testing

Three types of integrally colored split-face CMU's, all with large, small and fine aggregate were submitted for testing using PROSOCO's new construction cleaning, water repellent, and graffiti control products.

**New Construction Cleaning** – Sure Klean<sup>®</sup> Custom Masonry Cleaner and Sure Klean<sup>®</sup> Burnished Custom Masonry Cleaner were evaluated to determine the optimal concentration of cleaner for removal of laboratory applied mortar which also leaves the external surface looking most like the natural through-body color of the CMU.

To simulate new construction soiling all concrete masonry units (CMU's) were placed on a bench with finished surface facing upward. Hollow cylinders measuring 50 mm in diameter and 75 mm tall were positioned on top of each CMU and filled with a wet mixture of Type S mortar. The wet, mortar-filled cylinder was allowed to remain in contact with the CMU for 10 minutes before removal.

Heavy deposits of mortar were removed with dry scraping after 24 hours. Prepared cleaning solutions were then evaluated for their effectiveness in removing residual Type S mortar staining after 3 days, 7 days, and 14 days of curing.

Color uniformity was evaluated by comparing aggregate exposure and surface pigment alternation/removal of each cleaned surface compared to the natural through-body color of the CMU.

<u>Aggregate Exposure</u> is the visual examination comparing aggregate exposure of the interior, through-body section of the CMU to surfaces cleaned with selected product(s) at given dilutions.

<u>Surface Pigment Alteration/Removal</u> is the visual examination comparing the pigmentation of the interior, through-body section of the CMU to surfaces cleaned with selected product(s) at given dilutions.

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

- 0 **Worst** match to through-body
- 3 **Good** match to through-body
- 1 **Poor** match to through-body 2 – **Fair** match to through-body
- 4 **Best** match to through-body

### NOTE: When cleaning integrally colored CMU's.

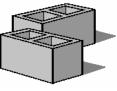
Integrally colored concrete masonry units (CMU's) frequently have high amounts of pigments concentrated on the surface of the cured concrete unit. Variation of surface pigment concentrations from one CMU to the next creates a blotchy appearance in the completed wall. Allowed to remain on the surface of the CMU, the weakly bound pigment will weather and streak, further detracting from the appearance of the completed CMU wall.

In addition to removing excess mortar and construction related soiling, the goal of any cleaning operation undertaken on an integrally colored CMU should include removal of unnaturally high concentrations of surface pigment. By revealing the natural through-body color on the integrally colored unit, the overall color uniformity and weathering resistance of the completed CMU wall is improved.

**Protective Water Repellents** – Sure Klean<sup>®</sup> Custom Masonry Sealer and Sure Klean<sup>®</sup> Weather Seal Siloxane WB Concentrate diluted with nine parts water were evaluated for their ability to provide water repellency to the submitted samples.

**Graffiti Control** – Sure Klean<sup>®</sup> Custom Masonry Sealer was evaluated for its ability to control graffiti on the submitted samples. Sure Klean<sup>®</sup> Fast Acting Stripper and Defacer Eraser<sup>®</sup> Graffiti Wipe were evaluated for their ability to remove graffiti from the submitted samples.





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#### **Products Evaluated**

### New Construction Cleaning Products Evaluated

| Sample              | Product  | Dilution      |
|---------------------|--|---------------|
| All Submitted CMLPa | Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:2, 1:4, 1:6 |
| All Submitted CMU's | Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:2, 1:3      |

#### Water Repellent Products Evaluated

| Sample              | Product  | Dilution    |
|---------------------|--|-------------|
| All Submitted CMU's | Sure Klean <sup>®</sup> Custom Masonry Sealer                | Concentrate |
|                     | Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate | 1:9         |

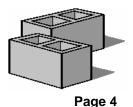
#### Graffiti Control Products Evaluated

| Sample              | Product                                       | Dilution    |
|---------------------|---|-------------|
| All Submitted CMU's | Sure Klean <sup>®</sup> Custom Masonry Sealer | Concentrate |

#### **Graffiti Removal Products Evaluated**

| Sample              | Product                                      | Dilution    |
|---------------------|--|-------------|
| All Submitted CML/s | Sure Klean <sup>®</sup> Fast Acting Stripper | Concentrate |
| All Submitted CMU's | Defacer Eraser <sup>®</sup> Graffiti Wipe    | Concentrate |





### PROSOCO, Inc.

#### New Construction Cleaning

These cleaning trials were conducted to determine the optimal cleaning/cure time combination to most efficiently remove Type S mortar from the submitted CMU's while providing the best color uniformity when compared to the through-body color of the CMU's.

Type S mortar was prepared in compliance with the manufacturer's instructions, applied to the CMU surface and allowed to cure for 3, 7, and 14 days. Mortar removal was accomplished using chemical assistance and a high-pressure water rinse with pressure rinsing equipment. The removal of Type S masonry mortar was visually evaluated after 3, 7, and 14 days of curing. A visual examination was also made to determine the optimal dilution of the tested cleaners that provide the best color uniformity when compared to the throughbody color of the CMU's.

#### **Description of Products Evaluated** – New Construction Cleaning

**Sure Klean® Custom Masonry Cleaner** – A general purpose, concentrated acidic cleaner for most custom masonry and colored concrete. Removes concrete splashes, excess mortar, mud, heavy efflorescence and surface soiling, leaving the masonry clean and uniform with no acid burning or streaking. Liquid concentrate for dilution with 2-6 parts water. Apply by brush or low-pressure spray.

**Sure Klean<sup>®</sup> Burnished Custom Masonry Cleaner** – Removes common construction and atmospheric staining from custom masonry and other architectural concrete surfaces. This general-purpose, non-etching, acidic cleaner removes rust, mud, oil, atmospheric dirt, mortar smears and other stains without altering the surface texture. Burnished Custom Masonry Cleaner adds depth to colors and brightens white matrices and exposed aggregate.

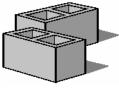
#### Test Method – New Construction Cleaning

Dilution ratios refer to mixtures of parts concentrated cleaner: parts fresh water. Chemical cleaners were evaluated using the following procedure:

- 1. Pre-wet the surface with water.
- 2. Apply at the appropriate dilutions.
- 4. Reapply the product and moderately agitate with a brush.
- 5. Pressure rinse thoroughly.\*
- 6. Allow the sample to dry for at least 18 hours and visually examine.
- 7. Break the sample in half and compare the through-body surfaces to the cleaned surfaces for the best match.

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





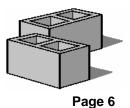
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#### Test Results - New Construction Cleaning

#### <u>% removal</u>

| "Ball Park Red" Split-face CMU                           |             |       |       |        |  |
|--|-------------|-------|-------|--------|--|
| Product  | Dilution    | 3 day | 7 day | 14 day |  |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:2         | 100%  | 98%   | 95%    |  |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:4         | 100%  | 95%   | 95%    |  |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:6         | 98%   | 90%   | 90%    |  |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:2         | 98%   | 95%   | 85%    |  |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:3         | 98%   | 95%   | 85%    |  |
| "Sahara" Split-f   | ace CMU     |       |       |        |  |
| Product  | Dilution    | 3 day | 7 day | 14 day |  |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:2         | 100%  | 100%  | 95%    |  |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:4         | 100%  | 95%   | 95%    |  |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:6         | 95%   | 95%   | 90%    |  |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:2         | 95%   | 90%   | 80%    |  |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:3         | 95%   | 90%   | 80%    |  |
| "Sandlewood" Spl   | it-face CMU |       |       |        |  |
| Product  | Dilution    | 3 day | 7 day | 14 day |  |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:2         | 95%   | 95%   | 95%    |  |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:4         | 95%   | 95%   | 90%    |  |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:6         | 95%   | 95%   | 90%    |  |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:2         | 95%   | 90%   | 80%    |  |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:3         | 95%   | 90%   | 80%    |  |





### PROSOCO, Inc.

#### Test Results - Color Uniformity

| Substrate: Split-face CMU                                | Pigment Color: "Ball Park Red" |                       |                                       |
|--|--------------------------------|-----------------------|---------------------------------------|
| Product  | Dilution                       | Aggregate<br>Exposure | Surface Pigment<br>Alteration/Removal |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:2                            | 4                     | 4                                     |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:4                            | 4                     | 4                                     |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:6                            | 4                     | 4                                     |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:2                            | 3                     | 3                                     |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:3                            | 3                     | 3                                     |
| Substrate: Split-face CMU                                | Pigment                        | Color: "Sahara"       |                                       |
| Product  | Dilution                       | Aggregate<br>Exposure | Surface Pigment<br>Alteration/Removal |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:2                            | 4                     | 4                                     |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:4                            | 4                     | 4                                     |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:6                            | 4                     | 4                                     |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:2                            | 3                     | 3                                     |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:3                            | 3                     | 3                                     |
| Substrate: Split-face CMU                                | Pigment                        | Color: "Sandlewood    | d"                                    |
| Product  | Dilution                       | Aggregate<br>Exposure | Surface Pigment<br>Alteration/Removal |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:2                            | 4                     | 4                                     |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:4                            | 4                     | 4                                     |
| Sure Klean <sup>®</sup> Custom Masonry Cleaner           | 1:6                            | 4                     | 4                                     |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:2                            | 3                     | 3                                     |
| Sure Klean <sup>®</sup> Burnished Custom Masonry Cleaner | 1:3                            | 3                     | 3                                     |

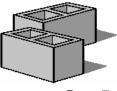
Scale used for reporting results of both categories

0 – **Worst** match to through-body 3 – **Good** match to through-body

1 – **Poor** match to through-body 4 - Best match to through-body

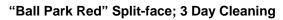
2 – **Fair** match to through-body

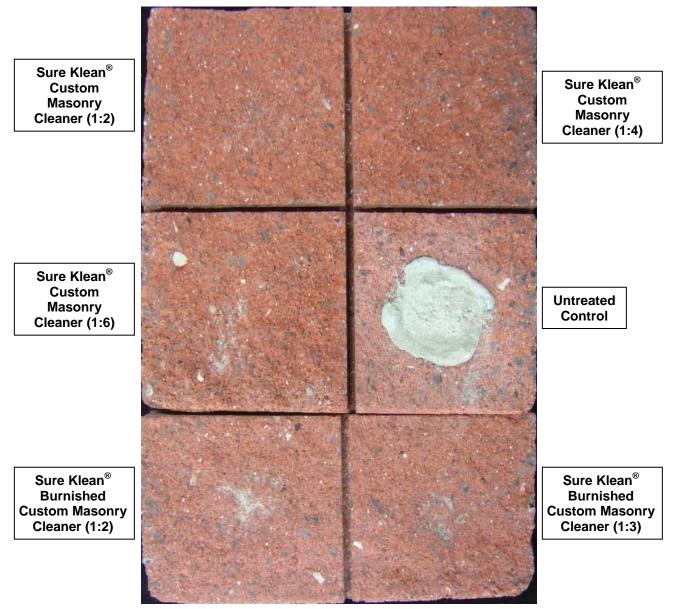




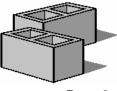
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#### Photographs – New Construction Cleaning



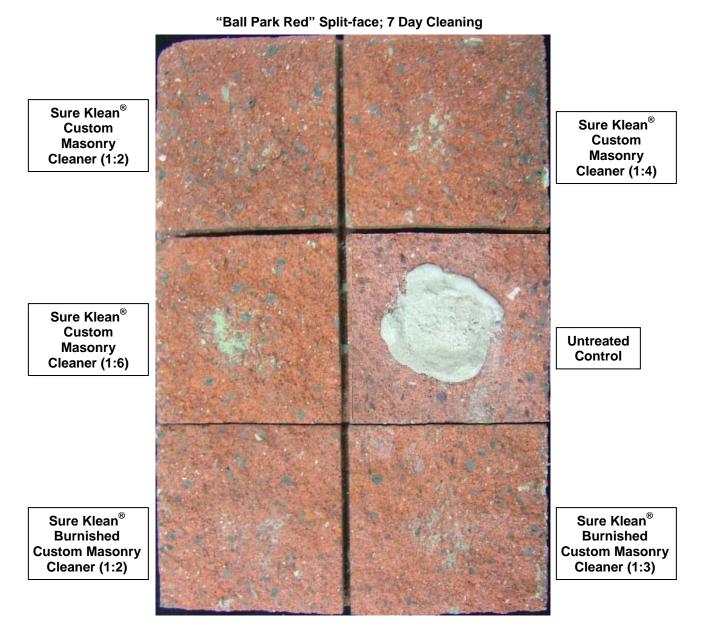




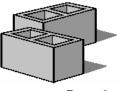


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#### Photographs – New Construction Cleaning



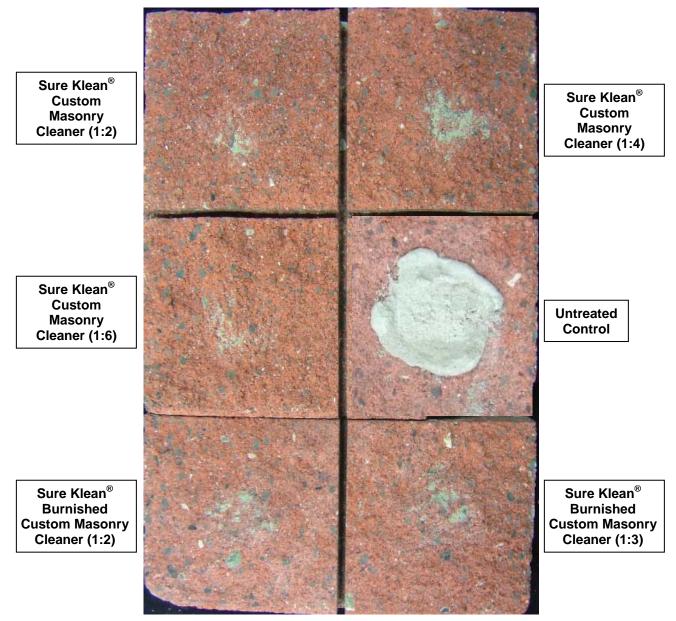




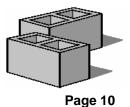
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#### Photographs – New Construction Cleaning

"Ball Park Red" Split-face; 14 Day Cleaning

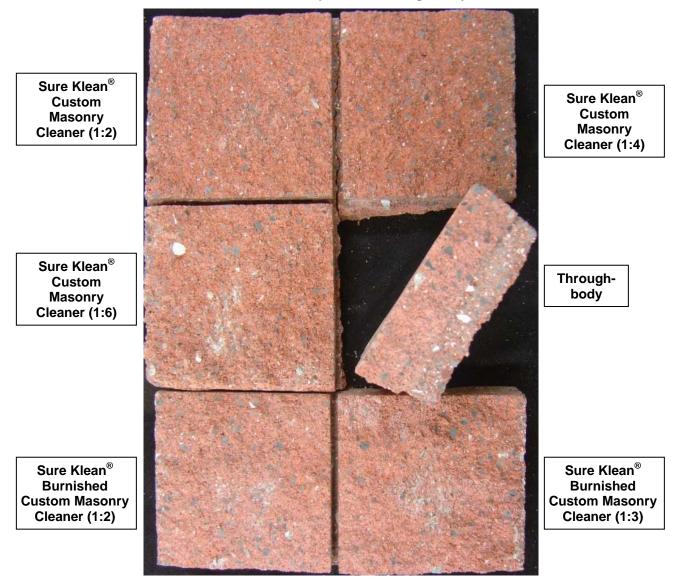




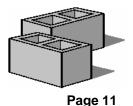


Photographs – Color Uniformity

"Ball Park Red" Split-face; Through-body







#### **<u>Conclusions</u>** – New Construction Cleaning

Based on the test data, all of the submitted samples were efficiently cleaned with all dilutions of Sure Klean<sup>®</sup> Custom Masonry Cleaner tested. According to the lab tests conducted, Sure Klean<sup>®</sup> Burnished Custom Masonry Cleaner did not remove as much mortar as Sure Klean<sup>®</sup> Custom Masonry Cleaner. Use higher concentrations and surface agitation to maximize aggregate exposure. Use low concentration and surface agitation to minimize aggregate exposure.

#### <u>Recommendations</u> – New Construction Cleaning

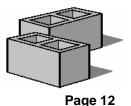
Recommendations for cleaning for each type of CMU submitted by L. Thorn Company, New Albany, IN are provided in the chart below. Recommendations are based on the optimum dilution for complete removal of mortar while providing the best match to the through-body color of the CMU's.

| Sample              | New Construction Cleaning<br>(Type S mortar, 14 day cleaning)             |
|---------------------|---|
| All Submitted CMU's | Sure Klean <sup>®</sup> Custom Masonry Cleaner<br>(1:2) OR (1:4) OR (1:6) |

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.





### PROSOCO, Inc.

#### Protective Water Repellents

The testing described below evaluates the suitability of water repellent treatments.

The surface treatments evaluated were selected for their suitability for application based on the following selection criteria:

- 1. Weatherproofing properties
- 2. Color change
- 3. Ease of application

#### <u>Description of Products Evaluated</u> – Protective Water Repellents

**Sure Klean<sup>®</sup> Custom Masonry Sealer** – A clear, solvent-based silicone elastomer formulated to weatherproof custom masonry units, cast stone, architectural concrete block, pre-cast concrete, wood and porous masonry. Custom Masonry Sealer penetrates and fills pores to prevent water penetration through exterior walls exposed to normal weathering.

**Sure Klean<sup>®</sup> Weather Seal Siloxane WB Concentrate** – A self-emulsifying water repellent concentrate designed for dilution with fresh water at the job site. This solvent-free blend of silanes and oligomeric alkoxysiloxanes mixes easily with water to produce a penetrating water repellent ideal for application to dense or porous masonry surfaces.

#### <u>Sample Preparation</u> – Protective Water Repellents

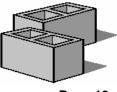
The submitted CMU's were scored and allowed to dry for at least 24 hours prior to treatment. Both Sure Klean<sup>®</sup> Custom Masonry Sealer and Sure Klean<sup>®</sup> Weather Seal Siloxane WB Concentrate were applied by a wet-on-wet brushing application and allowed to cure for at least 72 hours in accordance with the current PROSOCO, Inc. Product Data Sheet instructions.

#### Test Methods – Protective Water Repellents

#### Water Absorption Tube Test: RILEM II.4, 60 mph, 20 Minutes

The water absorption tube test simulating wind driven rain conditions was performed. This test simulates 60 mile per hour wind driven rain conditions for a period of 20 minutes. See Technical Services TECH Note RILEM Tube Test Procedures.





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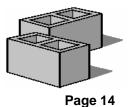
#### Test Results - Protective Water Repellents

#### Water Absorption Tube Test: RILEM II.4, 60 mph, 20 Minutes

#### RESULTS

| "Ball Park Red" Split-face CMU                                     |         |  |
|--|---------|--|
| Untreated Control  | <40 mph |  |
| Sure Klean <sup>®</sup> Custom Masonry Sealer                      | 59 mph  |  |
| Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) | 59 mph  |  |
| "Sahara" Split-face CMU  |         |  |
| Untreated Control  | <40 mph |  |
| Sure Klean <sup>®</sup> Custom Masonry Sealer                      | 58 mph  |  |
| Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) | 58 mph  |  |
| "Sandlewood" Split-face CMU  |         |  |
| Untreated Control  | <40 mph |  |
| Sure Klean <sup>®</sup> Custom Masonry Sealer                      | 58 mph  |  |
| Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) | 58 mph  |  |





#### Photographs – Protective Water Repellents

"Sandlewood" Split-face CMU; RILEM Testing

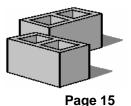


Sure Klean<sup>®</sup> Custom **Masonry Sealer** 

Sure Klean<sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9)

**Untreated Control** 





#### **Conclusions – Protective Water Repellents**

Based upon laboratory evaluations, both Sure Klean<sup>®</sup> Custom Masonry Sealer and Sure Klean<sup>®</sup> Weather Seal Siloxane WB Concentrate diluted with nine parts water provided excellent water repellency to each of the submitted samples. In addition, Sure Klean<sup>®</sup> Custom Masonry Sealer provided slight color enhancement to the submitted samples. Sure Klean<sup>®</sup> Weather Seal Siloxane WB Concentrate diluted with nine parts water did not alter the appearance of the submitted samples in any way.

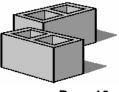
#### <u>Recommendations</u> – Protective Water Repellents

Recommendations for water repellency treatment for each type of CMU submitted by L. Thorn Company, New Albany, IN are provided in the chart below. Recommendations are based on the treatment that proved most effective at providing water repellency on all types submitted.

| Sample              | Water Repellents  |  |  |
|---------------------|---|--|--|
| All Submitted CMU's | Sure Klean <sup>®</sup> Custom Masonry Sealer<br>OR<br>Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) |  |  |

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





### PROSOCO, Inc.

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#### **Graffiti Control**

These trials were conducted to determine the optimal graffiti control treatment for the submitted concrete block samples.

#### Description of Products Evaluated – Graffiti Control

#### **Graffiti Control Treatments**

**Sure Klean<sup>®</sup> Custom Masonry Sealer** – A clear, solvent-based silicone elastomer formulated to weatherproof custom masonry units, cast stone, architectural concrete block, pre-cast concrete, wood and porous masonry. Custom Masonry Sealer penetrates and fills pores to prevent water penetration through exterior walls exposed to normal weathering.

#### Products Evaluated for Graffiti Removal

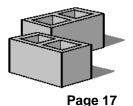
**Defacer Eraser<sup>®</sup> Graffiti Wipe** – An easy-to-use graffiti remover that does not contain methanol, methylene chloride or other halogenated solvents prohibited on many projects. Graffiti Wipe removes a variety of graffiti stains from most smooth masonry, split-face concrete block, wood and metal surfaces.

**Sure Klean<sup>®</sup> Fast Acting Stripper** – A thixotropic stripping compound formulated specifically for removal of high strength paints and coatings such as epoxies, polyurethanes, and floor enamels. Additionally, Fast Acting Stripper dissolves most spray paints, marking pens, lacquers and other graffiti.

#### Graffiti Agents

Interior/Exterior Spray Paint (Red) Permanent Marker (Green) Permanent Marker (Red) Permanent Marker (Black)





#### Sample Preparation - Graffiti Control

This evaluation compares the effectiveness of the treatments tested to the untreated surfaces of the submitted samples in preventing staining of enamel spray paint and permanent markers.

Sections of the concrete block samples were treated with Sure Klean<sup>®</sup> Custom Masonry Sealer in a wet-onwet brushing application in accordance with the PROSOCO, Inc. Product Data Sheet application instructions and then allowed to cure for at least one day. At the end of the cure period, a visual adverse effects evaluation was made and then the graffiti agents were applied to the substrates.

Spray paint and markers were applied as graffiti agents to all treated surfaces no sooner than one day following application of Sure Klean<sup>®</sup> Custom Masonry Sealer. Removal of the graffiti agents was attempted 24 hours after application of the graffiti agents, using Defacer Eraser<sup>®</sup> Graffiti Wipe and Sure Klean<sup>®</sup> Fast Acting Stripper.

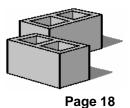
#### Test Method – Graffiti Control

Chemical cleaners were evaluated using the following procedure:

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

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

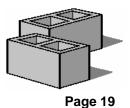




### Test Results – Graffiti Control

| "Ball Park Red" Split-face CMU |           |              |              |            |                |  |
|--------------------------------|-----------|--------------|--------------|------------|----------------|--|
| Untreated Control              | Red Paint | Black Marker | Green Marker | Red Marker | % Avg. Removal |  |
| Fast Acting Stripper           | 85%       | 85%          | 80%          | 80%        | 83%            |  |
| Graffiti Wipe                  | 20%       | 10%          | 50%          | 80%        | 40%            |  |
| Custom Masonry Sealer          | Red Paint | Black Marker | Green Marker | Red Marker | % Avg. Removal |  |
| Fast Acting Stripper           | 90%       | 95%          | 100%         | 100%       | 96%            |  |
| Graffiti Wipe                  | 100%      | 100%         | 100%         | 100%       | 100%           |  |
| "Sahara" Split-face CMU        |           |              |              |            |                |  |
| Untreated Control              | Red Paint | Black Marker | Green Marker | Red Marker | % Avg. Removal |  |
| Fast Acting Stripper           | 75%       | 85%          | 20%          | 30%        | 53%            |  |
| Graffiti Wipe                  | 20%       | 10%          | 20%          | 30%        | 20%            |  |
| Custom Masonry Sealer          | Red Paint | Black Marker | Green Marker | Red Marker | % Avg. Removal |  |
| Fast Acting Stripper           | 75%       | 95%          | 90%          | 95%        | 89%            |  |
| Graffiti Wipe                  | 99%       | 95%          | 90%          | 90%        | 94%            |  |
| "Sandlewood" Split-face CMU    |           |              |              |            |                |  |
| Untreated Control              | Red Paint | Black Marker | Green Marker | Red Marker | % Avg. Removal |  |
| Fast Acting Stripper           | 90%       | 90%          | 50%          | 50%        | 70%            |  |
| Graffiti Wipe                  | 20%       | 20%          | 50%          | 70%        | 40%            |  |
| Custom Masonry Sealer          | Red Paint | Black Marker | Green Marker | Red Marker | % Avg. Removal |  |
| Fast Acting Stripper           | 90%       | 100%         | 98%          | 98%        | 97%            |  |
| Graffiti Wipe                  | 99%       | 100%         | 98%          | 98%        | 99%            |  |





Photographs – Graffiti Control

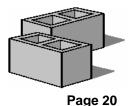
"Sahara" Split-face CMU; Before Graffiti Removal



#### "Sahara" Split-face CMU; After Graffiti Removal







#### Conclusions – Graffiti Control

Based upon laboratory evaluations, graffiti removal was improved when the submitted samples were treated with Sure Klean<sup>®</sup> Custom Masonry Sealer prior to graffiti application. In addition, Sure Klean<sup>®</sup> Custom Masonry Sealer provided slight color enhancement to the submitted samples.

#### **Recommendations – Graffiti Control**

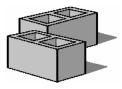
Recommendations for graffiti control treatment for each type of CMU submitted by L. Thorn Company, New Albany, IN are provided in the chart below. Recommendations are based on the treatment that proved most effective for providing graffiti repellency and the product that was most effective at removing the graffiti on all types submitted.

| Sample              | Graffiti Repellents                           | Graffiti Removers   |  |  |
|---------------------|---|---|--|--|
| All Submitted CMU's | Sure Klean <sup>®</sup> Custom Masonry Sealer | Defacer Eraser <sup>®</sup> Graffiti Wipe<br>OR<br>Sure Klean <sup>®</sup> Fast Acting Stripper |  |  |

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.

Christopher A. Moore Project Testing Laboratory Technician

CAM



Laboratory Report

**Pallet Tag Program Evaluation** 

# L. Thorn Company New Albany, IN

### Project No. 0511-04 PTP

**Prepared For:** 

L. Thorn Company 6000 Grant Line Rd. New Albany, IN 47151

**Prepared By:** 

PROSOCO, Inc. December 2005