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**Overview of Testing Conducted By PROSOCO, Inc.
Hanson Brick – Elgin Plant
Project No. 0511-08**

Eleven types of clay brick were submitted to PROSOCO, Inc.'s Testing Laboratory with a request to determine the optimal cleaning/cure time combination to most efficiently remove Type S mortar from the submitted clay brick while limiting surface alterations to the decorative finish. Additionally, the effectiveness of water repellents and graffiti control products suitable for clay brick was evaluated. **New construction cleaning** was performed to evaluate effective removal of excess mortar, and related new construction soiling. **Protective Water Repellent** testing was performed to evaluate water repellency provided by PROSOCO, Inc.'s water repellents. **Graffiti Control** testing was evaluated to determine which PROSOCO product(s) are most effective at repelling and facilitating the removal of graffiti. The attached report provides information about the PROSOCO products tested and descriptions of the test methods. The report includes test results as well as conclusions and recommendations. Recommendations are also provided in the chart below.

Recommendations

| Sample | New Construction Cleaning Type S mortar (14 Day Cleaning) | Protective Water Repellents | Graffiti Control |
|----------------------|--|---|---|
| "Canyon Rose" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Siloxane PD | <u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1 <u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe |
| "Cheyenne" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Siloxane PD | <u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1 <u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe |
| "Hampton" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Siloxane PD | <u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1 <u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe |

| Sample | New Construction Cleaning Type S mortar (14 Day Cleaning) | Protective Water Repellents | Graffiti Control |
|---------------------|--|---|---|
| "Huntington" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Siloxane PD | <p><u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1</p> <p><u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p> |
| "Lafayette" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Siloxane PD | <p><u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1</p> <p><u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p> |
| "Laramie" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Siloxane PD | <p><u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1</p> <p><u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p> |
| "Merlot" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control | <p><u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1</p> <p><u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p> |

| Sample | New Construction Cleaning Type S mortar (14 Day Cleaning) | Protective Water Repellents | Graffiti Control |
|---------------|--|---|---|
| "Providence" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control | <u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1 <u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe |
| "Silvercrest" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control | <u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1 <u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe |
| "Somerset" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Siloxane PD | <u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1 <u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe |
| "Vicksburg" | Sure Klean® Vana Trol® (1:8) OR Enviro Klean® Safety Klean (1:3) | *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Siloxane PD | <u>Graffiti Repellents</u> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Defacer Eraser® Sacrificial Coating SC-1 <u>Graffiti Removal</u> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe |

***NOTE:** Sure Klean® Weather Seal Blok-Guard® & Graffiti Control is manufactured and marketed in compliance with USEPA AIM VOC regulations (40 CFR 59.403). This product may not suitable for sale in states and districts with more restrictive AIM VOC regulations.

It must be pointed out that in any installation, the brick are a single component of the masonry facade. The ability of a water repellent treatment to prevent the ingress of water is affected by a variety of other factors. Therefore, on-site testing should be carried out for all installations with the recommended systems to ensure job site workmanship yields equivalent 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 cleaning, water repellent, or stain repellent products and procedures for a particular project. See product literature for additional application and safety information.