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Cloud Ceramics
 Project No. 0606-14 PTP

Thirty-two types of clay brick were submitted to AMT Laboratories by PROSOCO, Inc. 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 were evaluated. **New Construction Cleaning** was performed to evaluate the effectiveness of the selected PROSOCO products at removing excess Type S Mortar, and related new construction soiling, while limiting potential surface alterations to the decorative finish. **Protective Water Repellent** testing was performed to evaluate which PROSOCO water repellent(s) are most effective at providing protection from wind driven rain. **Graffiti Control** products were evaluated for its ability to repel and remove graffiti from the submitted samples.

Recommendations

Sample	New Construction Cleaning Type S Mortar (14 Day Cleaning)	Protective Water Repellents	Graffiti Control
"508L"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	Graffiti Repellents *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II Graffiti Removal Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Black Diamond"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	Graffiti Repellents *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II Graffiti Removal Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Bronze"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	Graffiti Repellents *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II Graffiti Removal 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
"Brown Iron Tone"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p>*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p>Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p>
"Brown Tweed"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p>*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p>Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p>
"Burgundy"	Sure Klean® 600 Detergent (1:8) OR Enviro Klean® Safety Klean (1:3)	*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p>*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p>Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p>
"Cameo"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p>*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p>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
“Cherokee”	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
“Cimarron”	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
“Cocoa Brown”	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
“Coffee”	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> 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
"Coral"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Coral Sand"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Coronado"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Crimson"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> 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
"Driftwood"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Earthtone"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Ebony"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Frontier"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> 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
"Grey Granite"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p>*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p>Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p>
"Greystone"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p>*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p>Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p>
"Kansa Gold"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p>*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p>Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p>
"Light Autumn"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p>*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p>Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p>

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"Light Ivory"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p align="center">*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p align="center">Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p>
"Old Heritage"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p align="center">*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p align="center">Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p>
"Old Homestead"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p align="center">*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p align="center">Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</p>
"Old Mission"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> <p align="center">*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II</p> <p align="center"><u>Graffiti Removal</u></p> <p align="center">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
"Old Rose"	Sure Klean® 600 Detergent (1:8) OR Enviro Klean® Safety Klean (1:3)	*Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Old Smoky"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Pawnee Sand"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
"Sahara Light Buff"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> 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
"Terracotta"	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 Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD	<p align="center"><u>Graffiti Repellents</u></p> *Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II <p align="center"><u>Graffiti Removal</u></p> 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 be suitable for sale in states and districts with more restrictive AIM VOC regulations.

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.