



AMT Laboratories
 3741 Greenway Circle
 Lawrence, KS 66046
 Phone: 888.376.3600
 Fax: 785.830.9176

Arto Brick – California Pavers
Project No. 0605-21 PTP

Seven types of precast concrete pavers were submitted to AMT Laboratories by PROSOCO, Inc. with a request to determine the optimal concentration of cleaner for removal of laboratory applied mortar and grout while limiting surface alterations to the decorative finish. The surface alteration evaluation was visually determined based upon perceived discoloration or erosion/etching of the precast concrete pavers. **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. **Stain Repellency** testing was conducted to determine which PROSOCO product(s) are most effective at repelling and facilitating the removal of stains. **Color and Sheen Enhancement** was evaluated to determine which PROSOCO product(s) are most effective at providing color and/or sheen enhancement to the submitted samples.

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	Protective Water Repellents	Stain Repellency	Color and Sheen Enhancement
“Artillo/Charcoal”	<p><u>Type N Mortar (21 Day Cleaning)</u> Paver Kare® Cleaner/Brightener (1:3)</p> <p><u>Sanded Grout (7 day Cleaning)</u> Paver Kare® Cleaner/Brightener (1:3)</p>	<p>Paver Kare® Penetrating Water Repellent OR Stand Off® SLX100 Water & Oil Repellent</p>	<p><u>Stain Repellents</u> Stand Off® Stone, Tile & Masonry Protector (STMP)</p> <p><u>Maintenance Cleaner</u> Enviro Klean® 2010 All Surface Cleaner (1:10)</p>	<p><u>Color Enhancement</u> Paver Kare® Deep Sheen WB</p> <p><u>Sheen Enhancement</u> Paver Kare® Deep Sheen WB</p>
“Artillo/Artillo Café/Luna”	<p>No Recommendations (See NOTE in Conclusions)</p>	<p>Paver Kare® Penetrating Water Repellent OR Stand Off® SLX100 Water & Oil Repellent</p>	<p><u>Stain Repellents</u> Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Stone, Tile & Masonry Protector (STMP)</p> <p><u>Maintenance Cleaner</u> Enviro Klean® 2010 All Surface Cleaner (1:10)</p>	<p><u>Color Enhancement</u> Paver Kare® Deep Sheen WB</p> <p><u>Sheen Enhancement</u> Paver Kare® Deep Sheen WB</p>
“Artillo/Tuscan Mustard”	<p>No Recommendations (See NOTE in Conclusions)</p>	<p>Paver Kare® Penetrating Water Repellent OR Stand Off® SLX100 Water & Oil Repellent</p>	<p><u>Stain Repellents</u> Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Stone, Tile & Masonry Protector (STMP)</p> <p><u>Maintenance Cleaner</u> Enviro Klean® 2010 All Surface Cleaner (1:10)</p>	<p><u>Color Enhancement</u> Paver Kare® Deep Sheen WB</p> <p><u>Sheen Enhancement</u> Paver Kare® Deep Sheen WB</p>

Sample	New Construction Cleaning	Protective Water Repellents	Stain Repellency	Color and Sheen Enhancement
“Roman Tile/Early Gray/Limestone”	<p><u>Type N Mortar (21 Day Cleaning)</u> Paver Kare® Cleaner/Brightener (1:3)</p> <p><u>Sanded Grout (7 day Cleaning)</u> Paver Kare® Cleaner/Brightener (1:3)</p>	<p>Paver Kare® Penetrating Water Repellent OR Stand Off® SLX100 Water & Oil Repellent</p>	<p><u>Stain Repellents</u> Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Stone, Tile & Masonry Protector (STMP)</p> <p><u>Maintenance Cleaner</u> Enviro Klean® 2010 All Surface Cleaner (1:10)</p>	<p><u>Color Enhancement</u> Paver Kare® Deep Sheen WB</p> <p><u>Sheen Enhancement</u> Paver Kare® Deep Sheen WB</p>
“Roman Tile/Early Gray/Travertine”	<p><u>Type N Mortar (21 Day Cleaning)</u> Paver Kare® Cleaner/Brightener (1:3)</p> <p><u>Sanded Grout (7 day Cleaning)</u> Paver Kare® Cleaner/Brightener (1:3)</p>	<p>Paver Kare® Penetrating Water Repellent OR Stand Off® SLX100 Water & Oil Repellent</p>	<p><u>Stain Repellents</u> Stand Off® Stone, Tile & Masonry Protector (STMP)</p> <p><u>Maintenance Cleaner</u> Enviro Klean® 2010 All Surface Cleaner (1:10)</p>	<p><u>Color Enhancement</u> Paver Kare® Deep Sheen WB</p> <p><u>Sheen Enhancement</u> Paver Kare® Deep Sheen WB</p>
“Roman Tile/Hacienda/Limestone”	<p><u>Type N Mortar (21 Day Cleaning)</u> Paver Kare® Cleaner/Brightener (1:3)</p> <p><u>Sanded Grout (7 day Cleaning)</u> Paver Kare® Cleaner/Brightener (1:3)</p>	<p>Paver Kare® Penetrating Water Repellent OR Stand Off® SLX100 Water & Oil Repellent</p>	<p><u>Stain Repellents</u> Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Stone, Tile & Masonry Protector (STMP)</p> <p><u>Maintenance Cleaner</u> Enviro Klean® 2010 All Surface Cleaner (1:10)</p>	<p><u>Color Enhancement</u> Paver Kare® Deep Sheen WB</p> <p><u>Sheen Enhancement</u> Paver Kare® Deep Sheen WB</p>
“Roman Tile/Natural Gray”	<p><u>Type N Mortar (21 Day Cleaning)</u> Paver Kare® Cleaner/Brightener (1:3)</p> <p><u>Sanded Grout (7 day Cleaning)</u> Paver Kare® Cleaner/Brightener (1:3)</p>	<p>Paver Kare® Penetrating Water Repellent OR Stand Off® SLX100 Water & Oil Repellent</p>	<p><u>Stain Repellents</u> Stand Off® Stone, Tile & Masonry Protector (STMP)</p> <p><u>Maintenance Cleaner</u> Enviro Klean® 2010 All Surface Cleaner (1:10)</p>	<p><u>Color Enhancement</u> Paver Kare® Deep Sheen WB</p> <p><u>Sheen Enhancement</u> Paver Kare® Deep Sheen WB</p>

NOTE: Both dilutions of Paver Kare® Cleaner/Brightener tested removed moderate to heavy amounts of the pigmented finish from the surface of the “Artillo/Artillo Café/Luna” and “Artillo/Tuscan Mustard” samples. Based on this evaluation, Paver Kare® Cleaner/Brightener is not recommended for new construction cleaning on these samples.

It is recommended that the selected cleaners always be used in the lowest possible concentration. It should be rinsed with the lowest pressure of water as practical to minimize removal of the decorative finish. Excessive pressure, water volume, and/or repeated application of the recommended products may combine to damage or remove decorative finishes. To facilitate easier removal of excess mortar, grout and construction dirt while minimizing any potential surface alterations to the decorative finish, clean within 7 days of construction for Type N mortar and 3 days for sanded grout.

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.