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***Horizon Stone, LLC***  
*Project No. 0604-01 PTP*

Ten types of manufactured stone were submitted to AMT Laboratories by PROSOCO, Inc. with a request to determine if application of the products evaluated will produce any surface alterations during new construction cleaning operations. Additionally, the effectiveness of water repellents, graffiti control products, stain repellents, and color/sheen enhancement products suitable for manufactured stone 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. **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** products suitable for CMU's were also evaluated. 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	Stain Repellency	Color and Sheen Enhancement
"Autumn Blend – 19 <sup>th</sup> Century"	<b>No Recommendations (See NOTE in Conclusions)</b>	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean® Weather Seal Siloxane PD OR Stand Off® SLX100 Water & Oil Repellent	<b>Graffiti Repellents</b> Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  <b>Graffiti Removal</b> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe	<b>Stain Repellent</b> Stand Off® SLX100 Water & Oil Repellent  <b>Maintenance Cleaner</b> Enviro Klean® 2010 All Surface Cleaner (1:10)	<b>Color Enhancement</b> Stand Off® Gloss 'N Guard WB  <b>Sheen Enhancement</b> Stand Off® Gloss 'N Guard WB
"Bluegrass – 19 <sup>th</sup> Century"	<b>No Recommendations (See NOTE in Conclusions)</b>	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean® Weather Seal Siloxane PD OR Stand Off® SLX100 Water & Oil Repellent	<b>Graffiti Repellents</b> Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  <b>Graffiti Removal</b> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe	<b>Stain Repellent</b> Stand Off® SLX100 Water & Oil Repellent  <b>Maintenance Cleaner</b> Enviro Klean® 2010 All Surface Cleaner (1:10)	<b>Color Enhancement</b> Stand Off® Gloss 'N Guard WB  <b>Sheen Enhancement</b> Stand Off® Gloss 'N Guard WB
"Earthblend – 19 <sup>th</sup> Century"	Sure Klean® Manufactured Stone Cleaner (1:3)	Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean® Weather Seal Siloxane PD OR Stand Off® SLX100 Water & Oil Repellent	<b>Graffiti Repellents</b> Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  <b>Graffiti Removal</b> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe	<b>Stain Repellent</b> Stand Off® SLX100 Water & Oil Repellent OR Stand Off® Stone, Tile & Masonry Protector (STMP)  <b>Maintenance Cleaner</b> Enviro Klean® 2010 All Surface Cleaner (1:10)	<b>Color Enhancement</b> Stand Off® Gloss 'N Guard WB  <b>Sheen Enhancement</b> Stand Off® Gloss 'N Guard WB

Sample	New Construction Cleaning Type S Mortar (14 Day Cleaning)	Protective Water Repellents	Graffiti Control	Stain Repellency	Color and Sheen Enhancement
“Hermitage – 19 <sup>th</sup> Century”	Sure Klean <sup>®</sup> Manufactured Stone Cleaner (1:3)	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II OR Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean <sup>®</sup> Weather Seal Siloxane PD OR Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	<b><u>Graffiti Repellents</u></b> Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II  <b><u>Graffiti Removal</u></b> Sure Klean <sup>®</sup> Fast Acting Stripper OR Defacer Eraser <sup>®</sup> Graffiti Wipe	<b><u>Stain Repellent</u></b> Stand Off <sup>®</sup> SLX100 Water & Oil Repellent OR Stand Off <sup>®</sup> Stone, Tile & Masonry Protector (STMP)  <b><u>Maintenance Cleaner</u></b> Enviro Klean <sup>®</sup> 2010 All Surface Cleaner (1:10)	<b><u>Color Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB  <b><u>Sheen Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB
“Misty Mountain – 19 <sup>th</sup> Century”	Sure Klean <sup>®</sup> Manufactured Stone Cleaner (1:3)	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II OR Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean <sup>®</sup> Weather Seal Siloxane PD OR Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	<b><u>Graffiti Repellents</u></b> Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II  <b><u>Graffiti Removal</u></b> Sure Klean <sup>®</sup> Fast Acting Stripper OR Defacer Eraser <sup>®</sup> Graffiti Wipe	<b><u>Stain Repellent</u></b> Stand Off <sup>®</sup> SLX100 Water & Oil Repellent  <b><u>Maintenance Cleaner</u></b> Enviro Klean <sup>®</sup> 2010 All Surface Cleaner (1:10)	<b><u>Color Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB  <b><u>Sheen Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB
“Mossy Creek – 19 <sup>th</sup> Century”	No Recommendations (See NOTE in Conclusions)	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II OR Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean <sup>®</sup> Weather Seal Siloxane PD OR Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	<b><u>Graffiti Repellents</u></b> Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II  <b><u>Graffiti Removal</u></b> Sure Klean <sup>®</sup> Fast Acting Stripper OR Defacer Eraser <sup>®</sup> Graffiti Wipe	<b><u>Stain Repellent</u></b> Stand Off <sup>®</sup> SLX100 Water & Oil Repellent  <b><u>Maintenance Cleaner</u></b> Enviro Klean <sup>®</sup> 2010 All Surface Cleaner (1:10)	<b><u>Color Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB  <b><u>Sheen Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB
“Smoke – 19 <sup>th</sup> Century”	No Recommendations (See NOTE in Conclusions)	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II OR Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean <sup>®</sup> Weather Seal Siloxane PD OR Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	<b><u>Graffiti Repellents</u></b> Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II  <b><u>Graffiti Removal</u></b> Sure Klean <sup>®</sup> Fast Acting Stripper OR Defacer Eraser <sup>®</sup> Graffiti Wipe	<b><u>Stain Repellent</u></b> Stand Off <sup>®</sup> SLX100 Water & Oil Repellent  <b><u>Maintenance Cleaner</u></b> Enviro Klean <sup>®</sup> 2010 All Surface Cleaner (1:10)	<b><u>Color Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB  <b><u>Sheen Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB

Sample	New Construction Cleaning Type S Mortar (14 Day Cleaning)	Protective Water Repellents	Graffiti Control	Stain Repellency	Color and Sheen Enhancement
“Summertown – 19 <sup>th</sup> Century”	Sure Klean <sup>®</sup> Manufactured Stone Cleaner (1:3)	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II OR Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean <sup>®</sup> Weather Seal Siloxane PD OR Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	<b><u>Graffiti Repellents</u></b> Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II  <b><u>Graffiti Removal</u></b> Sure Klean <sup>®</sup> Fast Acting Stripper OR Defacer Eraser <sup>®</sup> Graffiti Wipe	<b><u>Stain Repellent</u></b> Stand Off <sup>®</sup> SLX100 Water & Oil Repellent OR Stand Off <sup>®</sup> Stone, Tile & Masonry Protector (STMP)  <b><u>Maintenance Cleaner</u></b> Enviro Klean <sup>®</sup> 2010 All Surface Cleaner (1:10)	<b><u>Color Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB  <b><u>Sheen Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB
“Valley Forge – 19 <sup>th</sup> Century”	Sure Klean <sup>®</sup> Manufactured Stone Cleaner (1:3)	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II OR Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean <sup>®</sup> Weather Seal Siloxane PD OR Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	<b><u>Graffiti Repellents</u></b> Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II  <b><u>Graffiti Removal</u></b> Sure Klean <sup>®</sup> Fast Acting Stripper OR Defacer Eraser <sup>®</sup> Graffiti Wipe	<b><u>Stain Repellent</u></b> Stand Off <sup>®</sup> SLX100 Water & Oil Repellent OR Stand Off <sup>®</sup> Stone, Tile & Masonry Protector (STMP)  <b><u>Maintenance Cleaner</u></b> Enviro Klean <sup>®</sup> 2010 All Surface Cleaner (1:10)	<b><u>Color Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB  <b><u>Sheen Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB
“Westchester – 19 <sup>th</sup> Century”	Sure Klean <sup>®</sup> Manufactured Stone Cleaner (1:3)	Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II OR Sure Klean <sup>®</sup> Weather Seal Siloxane WB Concentrate (1:9) OR Sure Klean <sup>®</sup> Weather Seal Siloxane PD OR Stand Off <sup>®</sup> SLX100 Water & Oil Repellent	<b><u>Graffiti Repellents</u></b> Sure Klean <sup>®</sup> Weather Seal Blok-Guard <sup>®</sup> & Graffiti Control II  <b><u>Graffiti Removal</u></b> Sure Klean <sup>®</sup> Fast Acting Stripper OR Defacer Eraser <sup>®</sup> Graffiti Wipe	<b><u>Stain Repellent</u></b> Stand Off <sup>®</sup> SLX100 Water & Oil Repellent  <b><u>Maintenance Cleaner</u></b> Enviro Klean <sup>®</sup> 2010 All Surface Cleaner (1:10)	<b><u>Color Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB  <b><u>Sheen Enhancement</u></b> Stand Off <sup>®</sup> Gloss ‘N Guard WB

**NOTE:** All dilutions of both Sure Klean<sup>®</sup> Manufactured Stone Cleaner and Enviro Klean<sup>®</sup> Safety Klean tested removed moderate to heavy amounts of the pigmented finish from the surface of the following samples: “Autumn Blend – 19<sup>th</sup> Century,” “Bluegrass – 19<sup>th</sup> Century,” “Mossy Creek – 19<sup>th</sup> Century,” and “Smoke – 19<sup>th</sup> Century.” Based on this evaluation, neither Sure Klean<sup>®</sup> Manufactured Stone Cleaner nor Enviro Klean<sup>®</sup> Safety Klean is recommended for new construction cleaning on these samples.

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.