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***Joplin Building Material***  
*Project No. 0705-03 PTP*

Six types of cast stone were submitted to AMT Laboratories by PROSOCO, Inc. with a request to determine the optimal concentration of cleaner for removal of laboratory applied mortar while leaving the external surface looking most like the uncleaned surface of the cast stone during new construction operations. Additionally, the effectiveness of water repellents, stain repellent products and graffiti control products suitable for cast stone was evaluated. **New Construction Cleaning** was performed to evaluate the effectiveness of the selected PROSOCO products at removing excess mortar, and related new construction soiling, while limiting potential surface alterations to the 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. **Graffiti Control** products were evaluated for its ability to repel and remove graffiti from 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 Type N Mortar (21 Day Cleaning)	Protective Water Repellents	Stain Repellency	Graffiti Control
<b>“White”</b>	Sure Klean® Vana Trol® (1:6) OR (1:8) OR Sure Klean® Light Duty Concrete Cleaner (1:2) OR (1:3)	Sure Klean® Weather Seal Siloxane PD OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Stand Off® SLX100 Water & Oil Repellent OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	<b><u>Stain Repellent</u></b> Stand Off® SLX100 Water & Oil Repellent  <b><u>Maintenance Cleaner</u></b> Enviro Klean® 2010 All Surface Cleaner (1:10)	<b><u>Graffiti Repellent</u></b> * Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  <b><u>Graffiti Remover</u></b> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
<b>“Gray 100”</b>	Sure Klean® Vana Trol® (1:6) OR (1:8) OR Sure Klean® Light Duty Concrete Cleaner (1:2) OR (1:3)	Sure Klean® Weather Seal Siloxane PD OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Stand Off® SLX100 Water & Oil Repellent OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	<b><u>Stain Repellent</u></b> Stand Off® SLX100 Water & Oil Repellent  <b><u>Maintenance Cleaner</u></b> Enviro Klean® 2010 All Surface Cleaner (1:10)	<b><u>Graffiti Repellent</u></b> * Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  <b><u>Graffiti Remover</u></b> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe

Sample	New Construction Cleaning Type N Mortar (21 Day Cleaning)	Protective Water Repellents	Stain Repellency	Graffiti Control
<b>“Mesa 100 S”</b>	Sure Klean® Vana Trol® (1:6) OR (1:8) OR Sure Klean® Light Duty Concrete Cleaner (1:2) OR (1:3)	Sure Klean® Weather Seal Siloxane PD OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Stand Off® SLX100 Water & Oil Repellent OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	<b><u>Stain Repellent</u></b> Stand Off® SLX100 Water & Oil Repellent  <b><u>Maintenance Cleaner</u></b> Enviro Klean® 2010 All Surface Cleaner (1:10)	<b><u>Graffiti Repellent</u></b> * Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  <b><u>Graffiti Remover</u></b> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
<b>“Limestone 50”</b>	Sure Klean® Vana Trol® (1:6) OR (1:8) OR Sure Klean® Light Duty Concrete Cleaner (1:2) OR (1:3)	Sure Klean® Weather Seal Siloxane PD OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Stand Off® SLX100 Water & Oil Repellent OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	<b><u>Stain Repellent</u></b> Stand Off® SLX100 Water & Oil Repellent  <b><u>Maintenance Cleaner</u></b> Enviro Klean® 2010 All Surface Cleaner (1:10)	<b><u>Graffiti Repellent</u></b> * Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  <b><u>Graffiti Remover</u></b> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe
<b>“Tan 100”</b>	Sure Klean® Vana Trol® (1:6) OR (1:8) OR Sure Klean® Light Duty Concrete Cleaner (1:2) OR (1:3)	Sure Klean® Weather Seal Siloxane PD OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Stand Off® SLX100 Water & Oil Repellent OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	<b><u>Stain Repellent</u></b> Stand Off® SLX100 Water & Oil Repellent  <b><u>Maintenance Cleaner</u></b> Enviro Klean® 2010 All Surface Cleaner (1:10)	<b><u>Graffiti Repellent</u></b> * Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  <b><u>Graffiti Remover</u></b> Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe

Sample	New Construction Cleaning Type N Mortar (21 Day Cleaning)	Protective Water Repellents	Stain Repellency	Graffiti Control
"Buff 100"	Sure Klean® Vana Trol® (1:6) OR (1:8) OR Sure Klean® Light Duty Concrete Cleaner (1:2) OR (1:3)	Sure Klean® Weather Seal Siloxane PD OR Sure Klean® Weather Seal Siloxane WB Concentrate (1:9) OR Stand Off® SLX100 Water & Oil Repellent OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II	<b><u>Stain Repellent</u></b> Stand Off® SLX100 Water & Oil Repellent  <b><u>Maintenance Cleaner</u></b> Enviro Klean® 2010 All Surface Cleaner (1:10)	<b><u>Graffiti Repellent</u></b> * Sure Klean® Weather Seal Blok-Guard® & Graffiti Control OR Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  <b><u>Graffiti Remover</u></b> 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.