Five types of precast concrete panels with fiber reinforcement and vermiculite were submitted to PROSOCO, Inc.'s Testing Laboratory with a request to determine if application of the products evaluated will produce any surface alteration during new construction cleaning operations. Additionally, the effectiveness of water repellents, graffiti control products, stain repellents and color enhancement products suitable for precast concrete 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’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. **Stain Repellent** testing was conducted to determine which PROSOCOCO product(s) are most effective at repelling and facilitating the removal of stains. **Color Enhancement** was 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

<table>
<thead>
<tr>
<th>Sample</th>
<th>New Construction Cleaning</th>
<th>Protective Water Repellents</th>
<th>Graffiti Control</th>
<th>Stain Repellent</th>
<th>Color Enhancement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Type N mortar (21 Day Cleaning)</td>
<td>Sure Klean® Weather Seal Blok-Guard® &amp; Graffiti Control II OR Sure Klean® Weather Seal Siloxane PD OR Stand Off® SLX100 Water &amp; Oil Repellent OR Stand Off® Impregnator</td>
<td>Sure Klean® Weather Seal Blok-Guard® &amp; Graffiti Control II OR Defacer Eraser® Graffiti Wipe</td>
<td>Stand Off® SLX100 Water &amp; Oil Repellent OR Stand Off® Impregnator OR Consolideck® DuraSheen</td>
<td>Consolideck® DuraSheen</td>
</tr>
<tr>
<td><strong>“Buff”</strong></td>
<td>Sure Klean® Light Duty Concrete Cleaner (1:6) OR Enviro Klean® Safety Klean (1:3) OR Enviro Klean® 2010 All Surface Cleaner (1:10)</td>
<td>Sure Klean® Light Duty Concrete Cleaner (1:6) OR Enviro Klean® Safety Klean (1:3) OR Enviro Klean® 2010 All Surface Cleaner (1:10)</td>
<td>Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</td>
<td>Consolideck® DuraSheen</td>
<td></td>
</tr>
<tr>
<td><strong>“Coral”</strong></td>
<td>Sure Klean® Light Duty Concrete Cleaner (1:6) OR Enviro Klean® Safety Klean (1:3) OR Enviro Klean® 2010 All Surface Cleaner (1:10)</td>
<td>Sure Klean® Light Duty Concrete Cleaner (1:6) OR Enviro Klean® Safety Klean (1:3) OR Enviro Klean® 2010 All Surface Cleaner (1:10)</td>
<td>Sure Klean® Fast Acting Stripper OR Defacer Eraser® Graffiti Wipe</td>
<td>Consolideck® DuraSheen</td>
<td></td>
</tr>
<tr>
<td>Sample</td>
<td>New Construction Cleaning</td>
<td>Protective Water Repellents</td>
<td>Graffiti Control</td>
<td>Stain Repellent</td>
<td>Color Enhancement</td>
</tr>
<tr>
<td>--------</td>
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<td>-----------------</td>
<td>------------------</td>
</tr>
</tbody>
</table>
| "Harvest Gold" | Sure Klean® Light Duty Concrete Cleaner (1:6)  
Limiting Surface Alterations:  
Sure Klean® Light Duty Concrete Cleaner (1:6)  
OR  
Enviro Klean® Safety Klean (1:3)  
OR  
Enviro Klean® 2010 All Surface Cleaner (1:10) | Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  
OR  
Sure Klean® Weather Seal Siloxane PD  
OR  
Stand Off® SLX100 Water & Oil Repellent  
OR  
Stand Off® Impregnator | Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  
**Graffiti Removal**  
Sure Klean® Fast Acting Stripper  
OR  
Defacer Eraser® Graffiti Wipe | Stand Off® SLX100 Water & Oil Repellent  
OR  
Stand Off® Impregnator  
**Maintenance Cleaner**  
Enviro Klean® 2010 All Surface Cleaner (1:10) | Consolideck® DuraSheen |
| "Natural" | Sure Klean® Light Duty Concrete Cleaner (1:6)  
Limiting Surface Alterations:  
Sure Klean® Light Duty Concrete Cleaner (1:6)  
OR  
Enviro Klean® Safety Klean (1:3)  
OR  
Enviro Klean® 2010 All Surface Cleaner (1:10) | Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  
OR  
Sure Klean® Weather Seal Siloxane PD  
OR  
Stand Off® SLX100 Water & Oil Repellent  
OR  
Stand Off® Impregnator | Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  
**Graffiti Removal**  
Sure Klean® Fast Acting Stripper  
OR  
Defacer Eraser® Graffiti Wipe | Stand Off® SLX100 Water & Oil Repellent  
OR  
Stand Off® Impregnator  
**Maintenance Cleaner**  
Enviro Klean® 2010 All Surface Cleaner (1:10) | Consolideck® DuraSheen |
| "Slate" | Sure Klean® Light Duty Concrete Cleaner (1:6)  
Limiting Surface Alterations:  
Sure Klean® Light Duty Concrete Cleaner (1:6)  
OR  
Enviro Klean® Safety Klean (1:3)  
OR  
Enviro Klean® 2010 All Surface Cleaner (1:10) | Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  
OR  
Sure Klean® Weather Seal Siloxane PD  
OR  
Stand Off® SLX100 Water & Oil Repellent  
OR  
Stand Off® Impregnator | Sure Klean® Weather Seal Blok-Guard® & Graffiti Control II  
**Graffiti Removal**  
Sure Klean® Fast Acting Stripper  
OR  
Defacer Eraser® Graffiti Wipe | Stand Off® SLX100 Water & Oil Repellent  
OR  
Stand Off® Impregnator  
**Maintenance Cleaner**  
Enviro Klean® 2010 All Surface Cleaner (1:10) | Consolideck® DuraSheen |

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.