X-BOND SYSTEM
Technical Product Information

Product Description
SEMCO’s innovative X-Bond is a waterproof, lightweight, cementitious product that virtually resurfaces any surface. The X-Bond system offers the ultimate in durable, environmentally responsible creative design capability. This superior bonding system adheres directly to any existing surface. X-Bond can be safely applied in confined areas over existing surfaces minimizing waste disposal. Unlimited texture possibilities allow for complete creative freedom. This durable, waterproof system is designed for both interior, exterior and below grade use.

Substrates
Concrete Surfaces
Coated Surfaces
Ceramic Tile
Wood Surfaces / Decks
Vinyl / VCT Surfaces
Natural Stone
Metal
Glass

Features / Benefits
Waterproof cementitious system
Minimizes Waste Disposal
Interior, Exterior, and Below Grade
Durable for Floors, Walls, and Countertops
Can be safely used in confined areas
UV Resistant
Resistant to Freeze-Thaw Damage
*Available in Integral Colors

Specifications
Drying Time 8 Hours
Cure Time 24 Hours
Color White Powder & White Liquid
Chemical Type Modified Polymer Cement
Clean Up Mineral Sprits
Shelf Life 1 Year

Coverage (sq. ft. 2 per gallons & 1 50lbs bag, coverage is based on 1/8 inch application)
Existing Concrete 75 – 100
Painted Surface 75 – 100
Ceramic Tile 55 – 75
Vinyl Tile 75 – 100
Natural Stone 50 – 100
Metal 75 – 100

PRECAUTIONS
Always test a small area first to determine ease of application and desired results. Gloves and eye protection should be worn during application. Do not mix with other cleaners. Not for use on humans or animals. If any contact with skin or eyes occurs, wash immediately with plenty of water. Be sure to read container label and Material Safety Data Sheet before using this product.

LIMITED WARRANTY NOTICE
SEMCO Inc. Warrants that its products will meet their specifications. There are no other warranties, expressed or implied of merchantability or fitness of use. The only obligation of the seller-manufacturer shall be to replace material found to be defective. SEMCO Inc., will not be liable for labor or consequential damage of any kind. The information contained herein is, to the best of our knowledge and belief, true and accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. All chemicals may present unknown health hazards and should be used with caution.

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www.semcomfg.com
**Finish Options**

<table>
<thead>
<tr>
<th>Natural Grain</th>
<th>Polished Bond</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinu Finish</td>
<td>Mineral Finish</td>
</tr>
</tbody>
</table>

**Test Areas**

<table>
<thead>
<tr>
<th>Test Area</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used Automobile Oil</td>
<td>Excellent</td>
</tr>
<tr>
<td>Transmission Fluid</td>
<td>Good</td>
</tr>
<tr>
<td>Brake Fluid</td>
<td>Good</td>
</tr>
<tr>
<td>Water</td>
<td>Excellent</td>
</tr>
<tr>
<td>Alkali Resistance</td>
<td>Excellent</td>
</tr>
<tr>
<td>Hydrochloric Acid (10%)</td>
<td>Good</td>
</tr>
<tr>
<td>Corrosive Chemicals</td>
<td>Good</td>
</tr>
</tbody>
</table>

**Laboratory Results**

<table>
<thead>
<tr>
<th>Test Standard</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D-3960 - Volatile Organic Content</td>
<td>145 grams / liter</td>
</tr>
<tr>
<td>ASTM D-3194 – Water Content</td>
<td>48.9%</td>
</tr>
<tr>
<td>ASTM D-2369 – Non Volatile Residue</td>
<td>25.9%</td>
</tr>
<tr>
<td>ASTM C 1028-6 – Coefficient of Friction (Mineral)</td>
<td>0.93 Dry, 0.92 Wet</td>
</tr>
<tr>
<td>ASTM C 1028-6 – Coefficient of Friction (All Finishes)</td>
<td>0.78 Dry, 0.63 Wet</td>
</tr>
<tr>
<td>ASTM C 109 / C109M – 8 – Compressive Strength</td>
<td>27 MPa = 3,800PSI</td>
</tr>
<tr>
<td>ASTM C 674 – Modulus of Rupture</td>
<td>2,200 PSI</td>
</tr>
<tr>
<td>ASTM D 4060-07 – Abrasion Resistance, Metal</td>
<td>1022 Cycles w/.05 mil loss</td>
</tr>
<tr>
<td>Water Permeability Test</td>
<td>No dampness or formation of water</td>
</tr>
</tbody>
</table>

**X-BOND SYSTEM for SURFACE REPAIRS**

**Before**

**After**

X-BOND LIQUID LAYER

X-Bond Liquid creates a chemical bond between the existing surface and the X-Bond System.

X-BOND SYSTEM FILLER

The mixture of the X-Bond Stone Texture and the X-Bond Liquid will dry within 30 minutes and can receive traffic within 6 hours.

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