



**ArmorSeal**  
**Heavy Duty**  
**Floor**  
**Coatings**

**8.51**  
**ARMORSEAL®**  
**REXTHANE™ I FLOOR COATING**  
**B65-60 SERIES**

<b>PRODUCT INFORMATION</b>		Revised 1/06																															
<b>PRODUCT DESCRIPTION</b>		<b>RECOMMENDED USES</b>																															
<p><b>ARMORSEAL REXTHANE I FLOOR COATING</b> is a high solids, single component, aliphatic, moisture cure urethane, VOC complying, moisture resistant industrial floor coating. This urethane coating cures to a high gloss and chemical resistant film equivalent to two-part urethane coatings.</p> <ul style="list-style-type: none"> <li>• Impact and abrasion resistant</li> <li>• Chemical resistant</li> <li>• Resists yellowing</li> <li>• VOC compliant</li> <li>• Fast "hardness" development</li> </ul>		<ul style="list-style-type: none"> <li>• For industrial, commercial, or marine applications where a heavy-duty polyurethane floor finish is required</li> <li>• Excellent resistance to alkalis, dilute acids, spillage of solvents, chemicals, jet fuel, grease, etc.</li> <li>• Formulated specifically for brush and roller application</li> <li>• Urethane floor coatings may exhibit tire tracking.</li> <li>• Meets ADA requirements for slip resistance for floors</li> <li>• Interior or exterior use</li> <li>• Schools</li> <li>• Laboratories</li> <li>• Clean rooms</li> <li>• Graffiti resistant</li> <li>• Suitable for use in USDA inspected facilities</li> </ul> <ul style="list-style-type: none"> <li>• Airport hangers</li> <li>• Pharmaceutical Houses</li> <li>• Resists Skydrol</li> </ul>																															
<b>PRODUCT CHARACTERISTICS</b>		<b>PERFORMANCE CHARACTERISTICS</b>																															
<p><b>Finish:</b> Gloss</p> <p><b>Color:</b> Clear, White, Haze Gray, Deck Gray, Sandstone, and a wide range of colors possible</p> <p><b>Volume Solids:</b> 67% ± 2%, White (calculated) may vary by color</p> <p><b>Weight Solids:</b> 81% ± 2%, may vary by color</p> <p><b>VOC (EPA Method 24):</b> Unreduced: &lt;300 g/L; 2.5 lb/gal            Reduced 10%: 340 g/L; 2.8 lb/gal</p> <p><b>Recommended Spreading Rate per coat:</b>            Wet mils: 3.0 - 4.5            Dry mils: 2.0 - 3.0            Coverage: 358 - 537 sq ft/gal approximate</p> <p><b>NOTE:</b> Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</p> <p><b>Drying Schedule @ 3.0 mils wet @ 50% RH:</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">@ 40°F</th> <th style="text-align: center;">@ 77°F</th> <th style="text-align: center;">@ 100°F</th> </tr> </thead> <tbody> <tr> <td>To touch:</td> <td style="text-align: center;">4 hours</td> <td style="text-align: center;">2 hours</td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td>To recoat</td> <td></td> <td></td> <td></td> </tr> <tr> <td>  minimum:</td> <td style="text-align: center;">48 hours</td> <td style="text-align: center;">9 hours</td> <td style="text-align: center;">3 hours</td> </tr> <tr> <td>  maximum:</td> <td style="text-align: center;">14 days</td> <td style="text-align: center;">14 days</td> <td style="text-align: center;">14 days</td> </tr> <tr> <td>Foot Traffic:</td> <td style="text-align: center;">48 hours</td> <td style="text-align: center;">24 hours</td> <td style="text-align: center;">12 hours</td> </tr> <tr> <td>Heavy Traffic:</td> <td style="text-align: center;">7 days</td> <td style="text-align: center;">3 days</td> <td style="text-align: center;">3 days</td> </tr> <tr> <td>To cure:</td> <td style="text-align: center;">7 days</td> <td style="text-align: center;">3 days</td> <td style="text-align: center;">3 days</td> </tr> </tbody> </table> <p>Drying time is temperature, humidity and film thickness dependent.</p> <p><b>Shelf Life:</b> 12 months, unopened            Store indoors at 40°F to 100°F.            (Tinted colors must be used within seven (7) days after tinting)</p> <p><b>Flash Point:</b> 111°F PMCC</p> <p><b>Reducer/Clean Up:</b> Aromatic 100, R2K5</p>		@ 40°F	@ 77°F	@ 100°F	To touch:	4 hours	2 hours	30 minutes	To recoat				minimum:	48 hours	9 hours	3 hours	maximum:	14 days	14 days	14 days	Foot Traffic:	48 hours	24 hours	12 hours	Heavy Traffic:	7 days	3 days	3 days	To cure:	7 days	3 days	3 days	<p><b>System Tested:</b> (unless otherwise indicated)            Substrate: Concrete            Surface Preparation: SSPC-SP13/NACE 6            1 ct: ArmorSeal 1000 HS Clear @ 5.0 mils dft            1 ct: ArmorSeal REXTHANE I @ 2.0 mils dft</p> <p><b>Abrasion Resistance:</b>            Method: ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load            Result: 116 mg loss</p> <p><b>Adhesion:</b>            Method: ASTM D4541            Result: 350 psi, 100% concrete failure</p> <p><b>Hot Tire Pick-Up:</b>            Method: ITM P213.00 @ 140°F            Result: Passes</p> <p><b>Moisture Condensation Resistance:</b>            Method: ASTM D4585, 100°F, 1000 hours            Result: Rating 10 per ASTM D714 for blistering</p> <p><b>Pencil Hardness:</b>            Method: ASTM D3363            Result: H</p> <p><b>Slip Resistance, Floors:</b>            Method: ASTM C1028-96, .60 minimum Static Coefficient of Friction            Result: Passes wet and dry, with and without SharkGrip Additive</p> <p>Resists fumes, splash, and spillage of mild acids, alkalis, salts, aliphatic and aromatic hydrocarbon solvents, lubricating oils, and Skydrol. (ASTM D1308).</p>
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**PRODUCT INFORMATION**

RECOMMENDED SYSTEMS	SURFACE PREPARATION
<p><b>Concrete:</b>            1 ct. ArmorSeal 1000 HS, reduced 10% @ 1.5 - 2.0 mils dft            1-2 cts. ArmorSeal Rextthane I @ 2.0 - 3.0 mils dft/ct</p> <p><b>Concrete:</b>            1 ct. ArmorSeal FloorPlex 7100 Primer @ 1.5 - 2.0 mils dft            1-2 cts. ArmorSeal Rextthane I @ 2.0 - 3.0 mils dft/ct</p> <p><b>Concrete - smooth:</b>            2 cts. ArmorSeal Rextthane I @ 2.0 - 3.0 mils dft/ct</p> <p><b>Steel with Zinc Metalizing:</b>            1 ct. ArmorSeal Rextthane I Clear, mist coat, reduced 30% with R7K100. Allow to flash for 20 minutes.            1 ct. ArmorSeal Rextthane I Clear @ 2.0 - 3.0 mils dft (Reduced 10% with R7K100)</p> <p><b>Wood:</b>            1-2 cts. ArmorSeal Rextthane I @ 2.0 - 3.0 mils dft/ct</p>	<p>Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure good adhesion.</p> <p>Refer to product Application Bulletin for detailed surface preparation information.</p> <p>Minimum recommended surface preparation:            Concrete: SSPC-SP13/NACE 6, or ICR 03732, CSP 1-3            Wood: Clean, dry, sound, smooth            Steel with Zinc Metalizing: Clean, dry, sound (clear coat only)</p>
	TINTING
	<p>Tint bases use 844 colorants, only at 100% tint strength must be used within seven (7) days after tinting</p>
	APPLICATION CONDITIONS
	<p>Temperature:            air and surface material: 20°F minimum, 100°F maximum            40°F minimum            Do not apply over surface ice</p> <p>Relative humidity: Can be applied at relative humidities up to 99%.</p> <p>Refer to product Application Bulletin for detailed application information.</p>
	ORDERING INFORMATION
	<p>Packaging:            All colors: 1 gallon containers            Haze Gray and Clear: 1 and 5 gallon containers            Weight per gallon: 12.09 ± 0.2 lb (may vary with color)</p>
	SAFETY PRECAUTIONS
	<p>Refer to the MSDS sheet before use.</p> <p>Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.</p>
<p>The systems listed above are representative of the product's use. Other systems may be appropriate.</p>	
DISCLAIMER	WARRANTY
<p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.</p>	<p>The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.</p>





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**APPLICATION BULLETIN**

APPLICATION PROCEDURES	PERFORMANCE TIPS																																									
<p>Surface preparation must be completed as indicated.</p> <p><b>Mixing Instructions:</b> Mix paint thoroughly by boxing and stirring before use.</p> <p>Apply paint to the recommended film thickness and spreading rate as indicated below:</p> <p><b>Recommended Spreading Rate per coat:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Wet mils:</td> <td style="width: 35%;">3.0 - 4.5</td> <td style="width: 35%;"></td> </tr> <tr> <td>Dry mils:</td> <td>2.0 - 3.0</td> <td></td> </tr> <tr> <td>Coverage:</td> <td colspan="2">358 - 537 sq ft/gal approximate</td> </tr> </table> <p><b>NOTE:</b> Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</p> <p><b>Drying Schedule @ 3.0 mils wet @ 50% RH:</b></p> <table style="width: 100%; border: none;"> <thead> <tr> <th></th> <th style="text-align: center;">@ 40°F</th> <th style="text-align: center;">@ 77°F</th> <th style="text-align: center;">@ 100°F</th> </tr> </thead> <tbody> <tr> <td>To touch:</td> <td style="text-align: center;">4 hours</td> <td style="text-align: center;">2 hours</td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td>To recoat</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    minimum:</td> <td style="text-align: center;">48 hours</td> <td style="text-align: center;">9 hours</td> <td style="text-align: center;">3 hours</td> </tr> <tr> <td>    maximum:</td> <td style="text-align: center;">14 days</td> <td style="text-align: center;">14 days</td> <td style="text-align: center;">14 days</td> </tr> <tr> <td>Foot Traffic:</td> <td style="text-align: center;">48 hours</td> <td style="text-align: center;">24 hours</td> <td style="text-align: center;">12 hours</td> </tr> <tr> <td>Heavy Traffic:</td> <td style="text-align: center;">7 days</td> <td style="text-align: center;">3 days</td> <td style="text-align: center;">3 days</td> </tr> <tr> <td>To cure:</td> <td style="text-align: center;">7 days</td> <td style="text-align: center;">3 days</td> <td style="text-align: center;">3 days</td> </tr> </tbody> </table> <p>Drying time is temperature, humidity and film thickness dependent.</p> <p>Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.</p>	Wet mils:	3.0 - 4.5		Dry mils:	2.0 - 3.0		Coverage:	358 - 537 sq ft/gal approximate			@ 40°F	@ 77°F	@ 100°F	To touch:	4 hours	2 hours	30 minutes	To recoat				minimum:	48 hours	9 hours	3 hours	maximum:	14 days	14 days	14 days	Foot Traffic:	48 hours	24 hours	12 hours	Heavy Traffic:	7 days	3 days	3 days	To cure:	7 days	3 days	3 days	<p>Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.</p> <p>Excessive reduction of material can affect film build, appearance, and adhesion.</p> <p>Anti-slip additives, such as H&amp;C SharkGrip®, may be added to the coating to provide some slip resistance. This product should not be used in place of a non-skid finish.</p> <p>Urethane floor coatings may exhibit tire tracking.</p> <p>Pour a small amount of Aromatic 100, R2K5 over the top of the paint in the can to prevent skinning or gelling.</p> <p>Place a temporary cover over the pail to keep excessive moisture, condensation, fog, or rain from contaminating the coating.</p> <p>Tinted colors must be used within seven (7) days after tinting.</p> <p>It is recommended that partially used cans not be sealed/closed for use at a later date.</p> <p>Anti-slip additives, such as H&amp;C SharkGrip®, may be added to the coating to provide some slip resistance. This product should not be used in place of a non-skid finish.</p> <p>Refer to Product Information sheet for additional performance characteristics and properties.</p>
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CLEAN UP INSTRUCTIONS	SAFETY PRECAUTIONS																																									
<p>Clean spills and spatters immediately with Aromatic 100, R2K5. Clean tools immediately after use with Aromatic 100, R2K5. Follow manufacturer's safety recommendations when using any solvent.</p>	<p>Refer to the MSDS sheet before use.</p> <p>Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.</p>																																									
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