

ARMORSEAL®

REXTHANE™ I FLOOR COATING

B65-60 SERIES



*Heavy
Duty
Floor
Coatings*

PRODUCT INFORMATION

Revised 5/02

PRODUCT DESCRIPTION		RECOMMENDED USES																																
<p>ARMORSEAL REXTHANE I FLOOR COATING 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"> • Impact and abrasion resistant • Chemical resistant • Resists yellowing • Suitable for use in USDA inspected facilities • VOC compliant • Fast "hardness" development 		<ul style="list-style-type: none"> • For industrial, commercial, or marine applications where a heavy-duty polyurethane floor finish is required • Excellent resistance to alkalis, dilute acids, spillage of solvents, chemicals, jet fuel, grease, etc. • Formulated specifically for brush and roller application • Urethane floor coatings may exhibit tire tracking. • Meets ADA requirements for slip resistance for floors • Interior or exterior use • Schools • Laboratories • Clean rooms • Graffiti resistant • Airport hangers • Pharmaceutical Houses • Resists Skydrol 																																
PRODUCT CHARACTERISTICS		PERFORMANCE CHARACTERISTICS																																
<p>Finish: Gloss</p> <p>Color: Clear, White, Haze Gray, Deck Gray, Sandstone, Tile Red</p> <p>Volume Solids: 67% ± 2%, White (calculated) may vary by color</p> <p>Weight Solids: 81% ± 2%, may vary by color</p> <p>VOC (EPA Method 24): Unreduced: 282 g/L; 2.41 lb/gal Reduced 10%: 335 g/L; 2.8 lb/gal</p> <p>Recommended Spreading Rate per coat: Wet mils: 3.0 - 4.5 Dry mils: 2.0 - 3.0 Coverage: 358 - 537 sq ft/gal approximate</p> <p>NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</p> <p>Drying Schedule @ 3.0 mils wet @ 50% RH:</p> <table border="1"> <thead> <tr> <th></th> <th>@ 40°F</th> <th>@ 77°F</th> <th>@ 100°F</th> </tr> </thead> <tbody> <tr> <td>To touch:</td> <td>4 hours</td> <td>2 hours</td> <td>30 minutes</td> </tr> <tr> <td>To recoat</td> <td></td> <td></td> <td></td> </tr> <tr> <td> minimum:</td> <td>48 hours</td> <td>9 hours</td> <td>3 hours</td> </tr> <tr> <td> maximum:</td> <td>14 days</td> <td>14 days</td> <td>14 days</td> </tr> <tr> <td>Foot Traffic:</td> <td>48 hours</td> <td>24 hours</td> <td>12 hours</td> </tr> <tr> <td>Heavy Traffic:</td> <td>7 days</td> <td>3 days</td> <td>3 days</td> </tr> <tr> <td>To cure:</td> <td>7 days</td> <td>3 days</td> <td>3 days</td> </tr> </tbody> </table> <p>Drying time is temperature, humidity and film thickness dependent.</p> <p>Shelf Life: 12 months, unopened, at 77°F</p> <p>Flash Point: 111°F PMCC</p> <p>Reducer/Clean Up: 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>System Tested: (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>Abrasion Resistance: Method: ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load Result: 116 mg loss</p> <p>Adhesion: Method: ASTM D4541 Result: 1466 psi</p> <p>Hot Tire Pick-Up: Method: ITM P213.00 @ 140°F Result: Passes</p> <p>Moisture Condensation Resistance: Method: ASTM D4585, 100°F, 1000 hours Result: Rating 10 per ASTM D714 for blistering</p> <p>Pencil Hardness: Method: ASTM D3363 Result: H</p> <p>Slip Resistance, Floors: 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

Concrete:

1 ct. ArmorSeal 1000 HS, reduced @ 1.5 - 2.0 mils dft
1-2 cts. ArmorSeal REXthane I @ 2.0 - 3.0 mils dft/ct

Concrete:

1 ct. ArmorSeal FloorPlex 7100 Primer @ 1.5 - 2.0 mils dft
1-2 cts. ArmorSeal REXthane I @ 2.0 - 3.0 mils dft/ct

Concrete - smooth:

2 cts. ArmorSeal REXthane I @ 2.0 - 3.0 mils dft/ct

Steel with Zinc Metalizing:

1 ct. ArmorSeal REXthane I Clear, mist coat, reduced 30% with R7K100. Allow to flash for 20 minutes.
1 ct. ArmorSeal REXthane I Clear @ 2.0 - 3.0 mils dft (Reduced 10% with R7K100)

Wood:

1-2 cts. ArmorSeal REXthane I @ 2.0 - 3.0 mils dft/ct

The systems listed above are representative of the product's use. Other systems may be appropriate.

SURFACE PREPARATION

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.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Concrete: SSPC-SP13/NACE 6
Wood: Clean, dry, sound, smooth
Steel with Zinc
Metalizing: Clean, dry, sound (clear coat only)

TINTING

Do not tint.

APPLICATION CONDITIONS

Temperature:
air and surface 20°F minimum, 100°F maximum
material: 40°F minimum
Do not apply over surface ice

Relative humidity: Can be applied at relative humidities up to 99%.

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging:
All colors: 1 gallon containers
Haze Gray: 1 and 5 gallon containers
Weight per gallon: 12.09 ± 0.2 lb (may vary with color)

SAFETY PRECAUTIONS

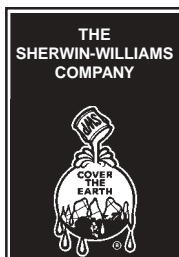
Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

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APPLICATION BULLETIN

Revised 5/02

SURFACE PREPARATION

General Surface Preparation

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.

**Concrete/Masonry
New**

Surface must be clean, dry, sound, and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F. Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. Refer to ASTM D4260. Rinse thoroughly to achieve a final pH between 6.0 and 10.0. Allow to dry thoroughly prior to coating.

Old

Surface preparation is done in much the same manner as new concrete; however, if the concrete is contaminated with oils, grease, chemicals, etc., they must be removed by cleaning with a strong detergent. Refer to ASTM D4258. Form release agents, hardeners, etc. must be removed by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. If surface deterioration presents an unacceptably rough surface, ArmorSeal 5020 Floor Resurfacer is recommended to patch and resurface damaged concrete. Fill all cracks, voids and bugholes with ArmorSeal Crack Filler.

Always follow the ASTM methods listed below:

- ASTM D4258 Standard Practice for Cleaning Concrete.
- ASTM D4259 Standard Practice for Abrading Concrete.
- ASTM D4260 Standard Practice for Etching Concrete.
- ASTM D4263 Plastic Sheet Method for Checking Moisture in Concrete.
- SSPC-SP13/NACE 6 Surface Preparation of Concrete

Previously Painted Surfaces:

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if this product attacks the previous finish, removal of the previous coating may be necessary. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

Steel with Zinc Metalizing:

Surface must be clean, dry and sound. Follow the recommended system from the Product Information Sheet.

Wood

Surface must be clean, dry and sound. Remove any oils and dirt from the surface using a degreasing solvent or strong detergent. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

APPLICATION CONDITIONS

Temperature:
air and surface 20°F minimum, 100°F maximum
material: 40°F minimum

Relative humidity: Do not apply over surface ice
Can be applied at relative humidities up to 99%.

APPLICATION EQUIPMENT

The following is a guide. Any reduction must be compatible with the existing environmental and application conditions.

Reducer/Clean Up Aromatic 100, R2K5

Brush

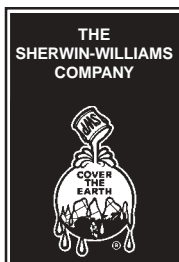
Brush Natural Bristle
Reduction As needed, up to 10% by volume

Roller

Cover 3/8" woven with phenolic core
Reduction As needed, up to 10% by volume

If specific application equipment is listed above, equivalent equipment may be substituted.

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APPLICATION BULLETIN

APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mixing Instructions: Mix paint thoroughly by boxing and stirring before use.

Apply paint to the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate per coat:

Wet mils:	3.0 - 4.5
Dry mils:	2.0 - 3.0
Coverage:	358 - 537 sq ft/gal approximate

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 3.0 mils wet @ 50% RH:

	@ 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

Drying time is temperature, humidity and film thickness dependent.

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

PERFORMANCE TIPS

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.

Excessive reduction of material can affect film build, appearance, and adhesion.

Anti-slip additives, such as H&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.

Urethane floor coatings may exhibit tire tracking.

Pour a small amount of Aromatic 100, R2K5 over the top of the paint in the can to prevent skinning or gelling.

Place a temporary cover over the pail to keep excessive moisture, condensation, fog, or rain from contaminating the coating.

It is recommended that partially used cans not be sealed/closed for use at a later date.

Anti-slip additives, such as H&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.

Refer to Product Information sheet for additional performance characteristics and properties.

CLEAN UP INSTRUCTIONS

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.

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

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