



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

**8.10**

**ARMORSEAL®**

**WATER BASED EPOXY PRIMER/SEALER**

**PART A**  
**PART B**

**B70VQ10**  
**B60VQ10**

**CLEAR**  
**HARDENER**

**PRODUCT INFORMATION**

Revised 5/07

PRODUCT DESCRIPTION		RECOMMENDED USES
<p><b>ARMORSEAL WATER BASED EPOXY PRIMER/SEALER</b> is compatible with most high performance finish coats and, in many cases, can be used as an effective barrier coat when coating previously painted surfaces. The product can also be used as a primer for damp concrete or masonry surfaces.</p> <ul style="list-style-type: none"> <li>• Water Clean Up</li> <li>• Low VOC</li> <li>• Low Odor</li> <li>• Fast Dry</li> </ul>		<p>Primer for concrete or wood substrates as well as for previously painted surfaces. To be used in conjunction with most ArmorSeal floor finishes.</p> <ul style="list-style-type: none"> <li>• For industrial, commercial, and marine applications</li> <li>• Can be applied to damp masonry surfaces</li> <li>• Do not use as a clear topcoat</li> <li>• Suitable for use in USDA inspected facilities</li> </ul>
PRODUCT CHARACTERISTICS		PERFORMANCE CHARACTERISTICS
<p><b>Finish:</b> Gloss</p> <p><b>Color:</b> Clear</p> <p><b>Volume Solids:</b> 38% ± 2%, mixed</p> <p><b>VOC (calculated):</b> &lt;250 g/L; 2.08 lb/gal, mixed</p> <p><b>Mix Ratio:</b> 2 components, premeasured 4:1 by volume</p> <p><b>Recommended Spreading Rate:</b>  Wet mils: 5.0 - 7.0  Dry mils: 2.0 - 3.0  Coverage: 200 - 300 sq ft/gal approximate</p> <p><b>Drying Schedule @ 6.0 mils wet @ 50% RH:  @ 72°F</b>  To touch: 1 - 2 hours  To recoat  minimum: 6 hours  maximum: 48 hours  To cure: 7 days</p> <p>If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.</p> <p><b>Pot Life:</b> 6 - 8 hours @ 72°F, 50% RH</p> <p><b>Sweat-in-time:</b> None required</p> <p><b>Shelf Life:</b> 12 months, unopened  Store indoors at 40°F to 100°F.</p> <p><b>Flash Point:</b> 200°F, PMCC, mixed</p> <p><b>Reducer:</b> Not recommended</p> <p><b>Clean Up:</b> Water</p>		<ul style="list-style-type: none"> <li>• Abrasion resistant</li> <li>• Excellent adhesion properties</li> <li>• Fast dry</li> <li>• Chemical resistant</li> <li>• Impact resistant</li> <li>• Solvent resistant</li> <li>• Dry heat resistance: 180°F</li> <li>• Can be applied to damp concrete or masonry surfaces</li> </ul>



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RECOMMENDED SYSTEMS	SURFACE PREPARATION																				
<p><b>Concrete/Masonry:</b> 1 ct. ArmorSeal Water Based Epoxy Primer/Sealer @ 2.0 - 3.0 mils dft 1 ct. ArmorSeal 650SL / RC@ 10.0 - 30.0 mils dft</p> <p><b>Concrete/Masonry:</b> 1 ct. ArmorSeal Water Based Epoxy Primer/Sealer @ 2.0 - 3.0 mils dft 2 cts. ArmorSeal Floor-Plex 7100 @ 1.5 - 2.0 mils dft</p> <p><b>Concrete/Masonry/Wood:</b> 1 ct. ArmorSeal Water Based Epoxy Primer/Sealer @ 2.0 - 3.0 mils dft 1 ct. ArmorSeal 700HS @ 6.5 - 7.5 mils dft</p> <p>The systems listed above are representative of the products use, other systems may be appropriate.</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 adequate adhesion.</p> <p>Refer to Application Bulletin for detailed surface preparation information.</p> <p>Minimum recommended surface preparation: Concrete &amp; Masonry: SSPC-SP13/NACE 6, or ICRI 03732, CSP 1-3 Wood, Interior: Clean, smooth, dust free</p> <tr> <th colspan="2" data-bbox="792 856 1481 898">TINTING</th> </tr> <tr> <td colspan="2" data-bbox="792 898 1481 970">Do not tint.</td> </tr> <tr> <th colspan="2" data-bbox="792 970 1481 1012">APPLICATION CONDITIONS</th> </tr> <tr> <td colspan="2" data-bbox="792 1012 1481 1255"> <p>Temperature: 55°F minimum, 95°F maximum (air, surface, and material) At least 5°F above dew point</p> <p>Relative humidity: 85% maximum</p> <p>Refer to product Application Bulletin for detailed application information.</p> </td> </tr> <tr> <th colspan="2" data-bbox="792 1255 1481 1297">ORDERING INFORMATION</th> </tr> <tr> <td colspan="2" data-bbox="792 1297 1481 1507"> <p>Packaging: 1 gallon kit contains Part A and Part B 5 gallon mix Part A - 4 gal. in a 5 gal. container Part B - 1 gallon</p> <p>Weight per gallon: 8.6 ± 0.2 lb, mixed</p> </td> </tr> <tr> <th colspan="2" data-bbox="792 1507 1481 1549">SAFETY PRECAUTIONS</th> </tr> <tr> <td colspan="2" data-bbox="792 1549 1481 1726"> <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> </td> </tr> <tr> <th data-bbox="100 1726 792 1768">DISCLAIMER</th> <th data-bbox="792 1726 1481 1768">WARRANTY</th> </tr> <tr> <td data-bbox="100 1768 792 1995"> <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> </td> <td data-bbox="792 1768 1481 1995"> <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> </td> </tr>	TINTING		Do not tint.		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**8.10A**

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**PART A  
PART B**

**B70VQ10  
B60VQ10**

**CLEAR  
HARDENER**

**APPLICATION BULLETIN**

Revised 5/07

SURFACE PREPARATION	APPLICATION CONDITIONS		
<p>Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.</p> <p><b>Poured Concrete New</b> For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI 03732, CSP1-3. Surfaces 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 8.0 and 11.0. Allow to dry thoroughly prior to coating.</p> <p><b>Old</b> 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.</p> <p><b>Always follow the standard methods listed below:</b> ASTM D4258 Standard Practice for Cleaning Concrete. ASTM D4259 Standard Practice for Abrading Concrete. ASTM D4260 Standard Practice for Etching Concrete. ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete SSPC-SP 13/Nace 6 Surface Preparation of Concrete ICRI 03732, Concrete Surface Preparation</p> <p><b>Wood</b> 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.</p> <p><b>Previously Painted Surfaces:</b> 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, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.</p>	<p>Temperature: 55°F minimum, 95°F maximum (air, surface, and material) At least 5° above dew point</p> <p>Relative humidity: 85% maximum</p> <tr> <th colspan="2" data-bbox="829 764 1521 810">APPLICATION EQUIPMENT</th> </tr> <p><b>Reduction:</b> ..... Not recommended</p> <p><b>Clean Up:</b> ..... Water</p> <p><b>Brush</b> Brush ..... Nylon/Polyester</p> <p><b>Roller</b> Cover ..... 3/8" woven with phenolic core</p> <p><b>Squeegee</b> Squeegee ..... Flat, rubber</p> <p>If specific application equipment is not listed above, equivalent equipment may be substituted.</p>	APPLICATION EQUIPMENT	
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APPLICATION PROCEDURES	PERFORMANCE TIPS
<p>To mix 1 gallon units: Use electric or air mixer (approximately 250 rpm) with metal mixing blade (Jiffy Model HS or equal). Pour hardener contents into slack-filled resin can and mix for 2 to 3 minutes until material is thoroughly blended and emulsified. To mix 5 gallon units: use same procedure as mixing 1 gallon units except a larger blade (Jiffy Model ES or equal) is required.</p> <p>Working out of a paint pan or bucket with grid apply material to surface using 3/8" nap roller cover. Product can be top-coated in 6 hours @ 72°F.</p> <p><b>Recommended Spreading Rate:</b>  Wet mils: 5.0 - 7.0  Dry mils: 2.0 - 3.0  Coverage: 200 - 300 sq ft/gal approximate</p> <p><b>Drying Schedule @ 6.0 mils wet @ 50% RH: @ 72°F</b>  To touch: 1 - 2 hours  To recoat      minimum: 6 hours      maximum: 48 hours  To cure: 7 days</p> <p>If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.</p> <p><b>Pot Life:</b> 6 - 8 hours @ 72°F, 50% RH</p> <p><b>Sweat-in-time:</b> None required</p>	<p>During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing</p> <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>No reduction of material is recommended as it can affect film build, appearance, and adhesion.</p> <p>Do not apply the material beyond recommended pot life.</p> <p>Do not mix previously catalyzed material with new.</p> <p>When coating previously painted surfaces, always apply test patch application and examine for lifting and proper intercoat adhesion. If lifting occurs, remove old coating or apply an appropriate barrier coat.</p> <p>Refer to Product Information sheet for additional performance characteristics and properties.</p>
CLEAN UP INSTRUCTIONS	SAFETY PRECAUTIONS
<p>Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturers safety recommendations when using mineral spirits.</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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